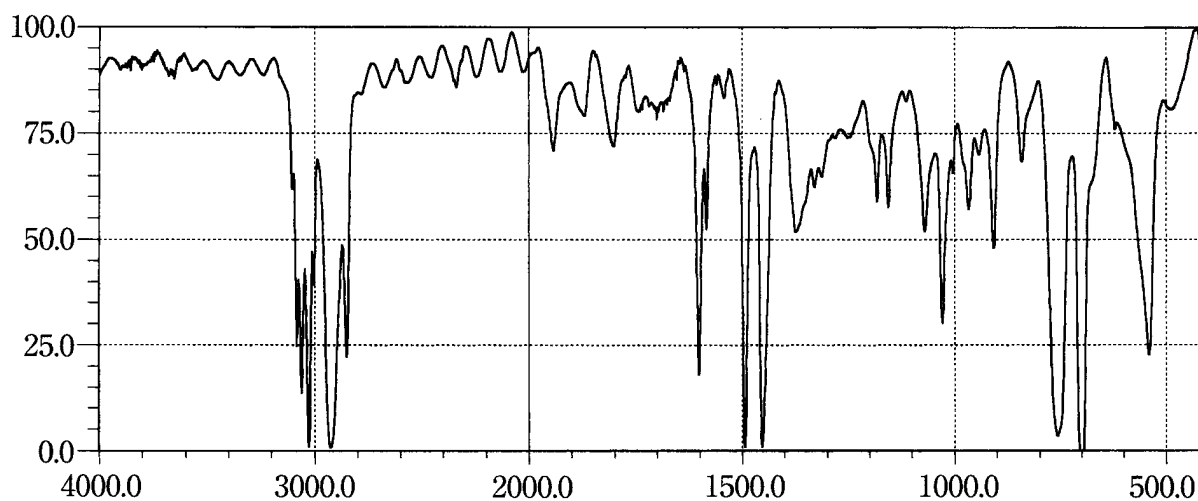
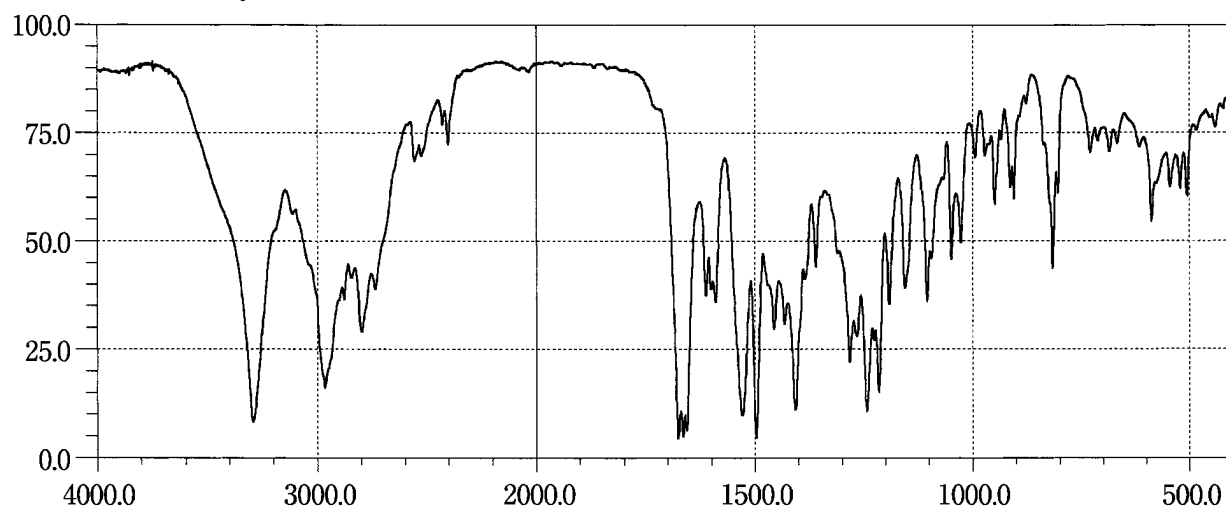
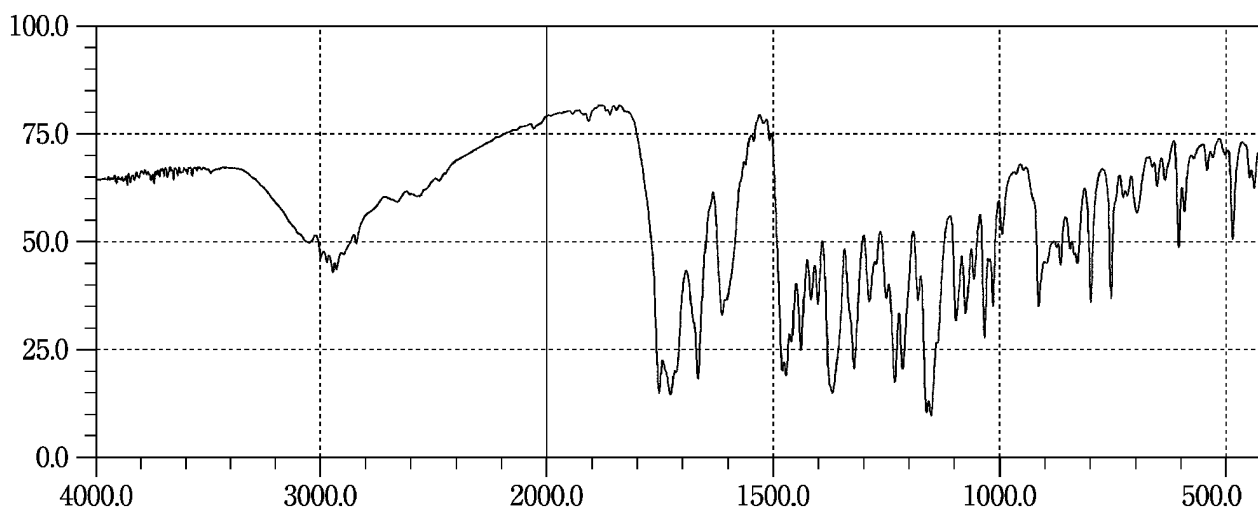
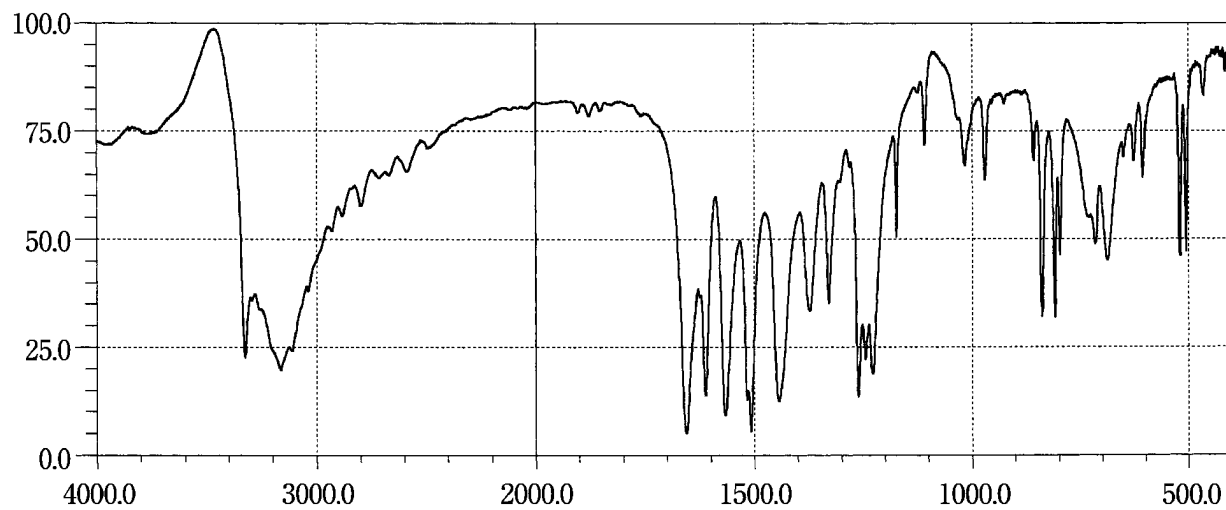


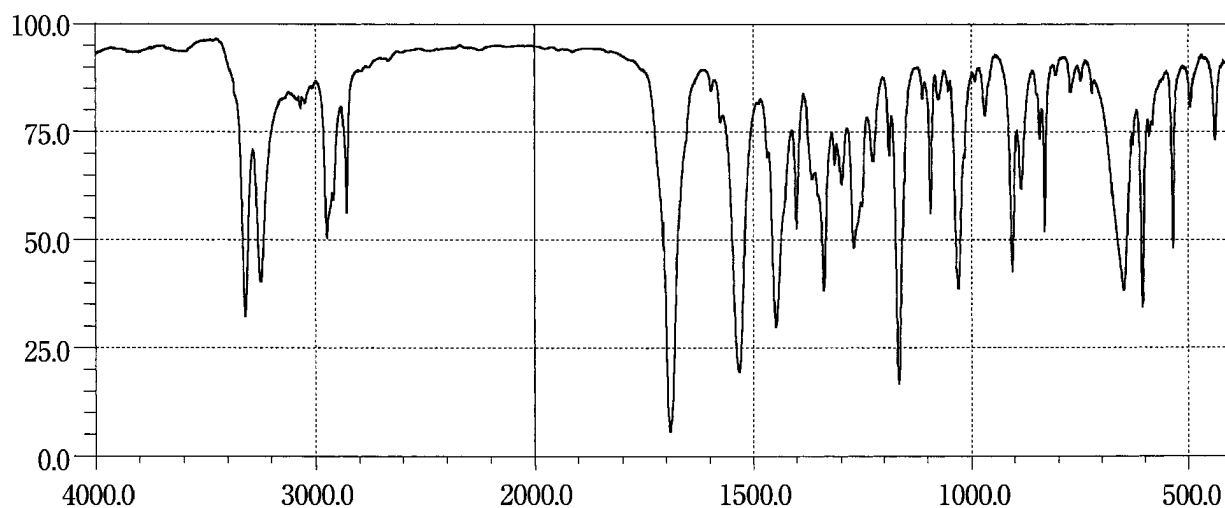
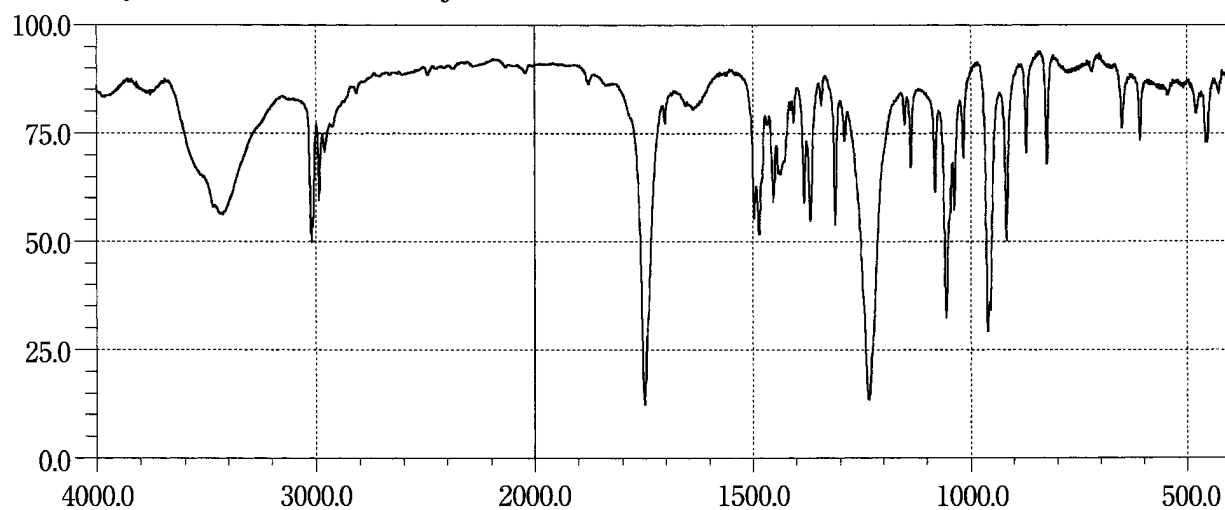
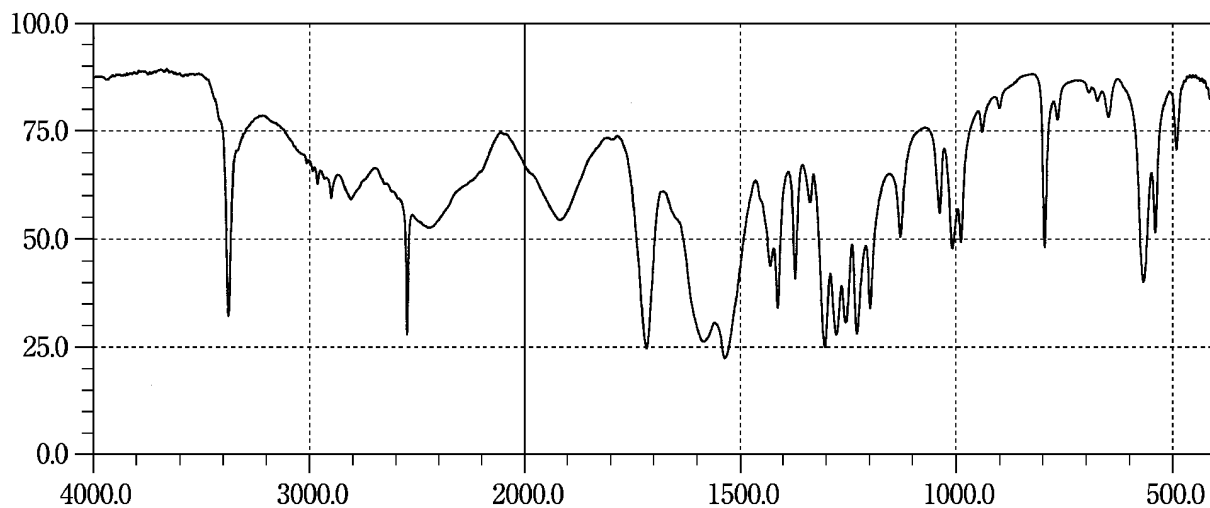
# INFRARED REFERENCE SPECTRA

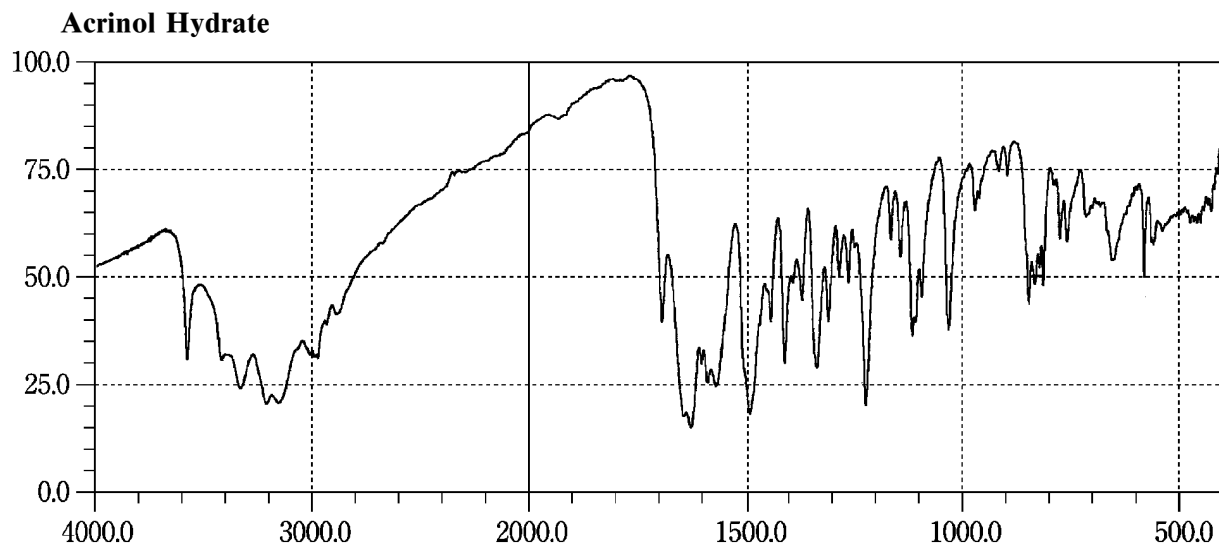
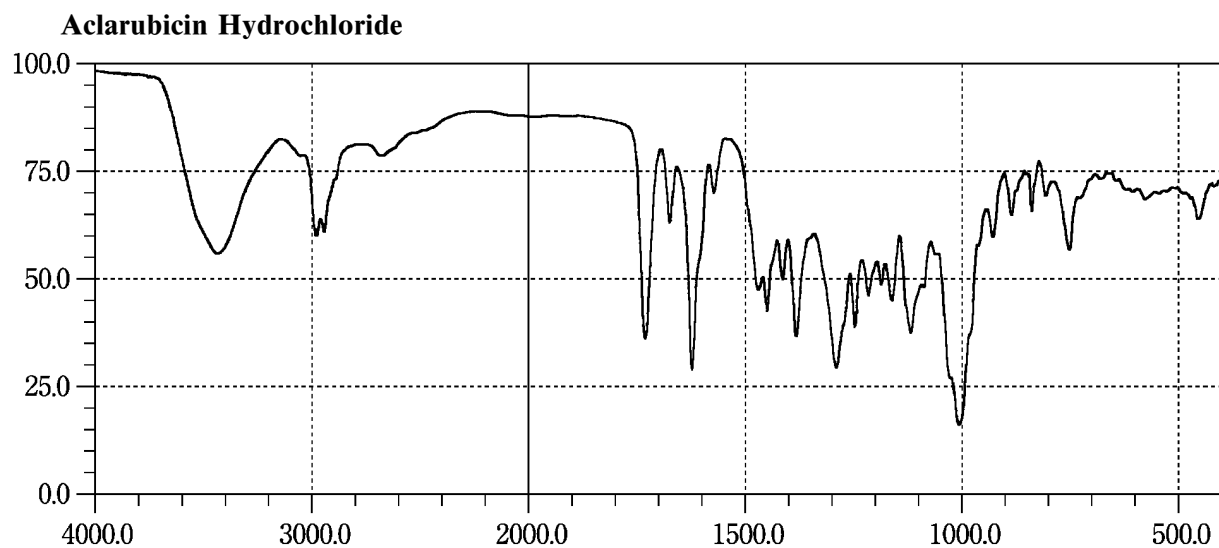
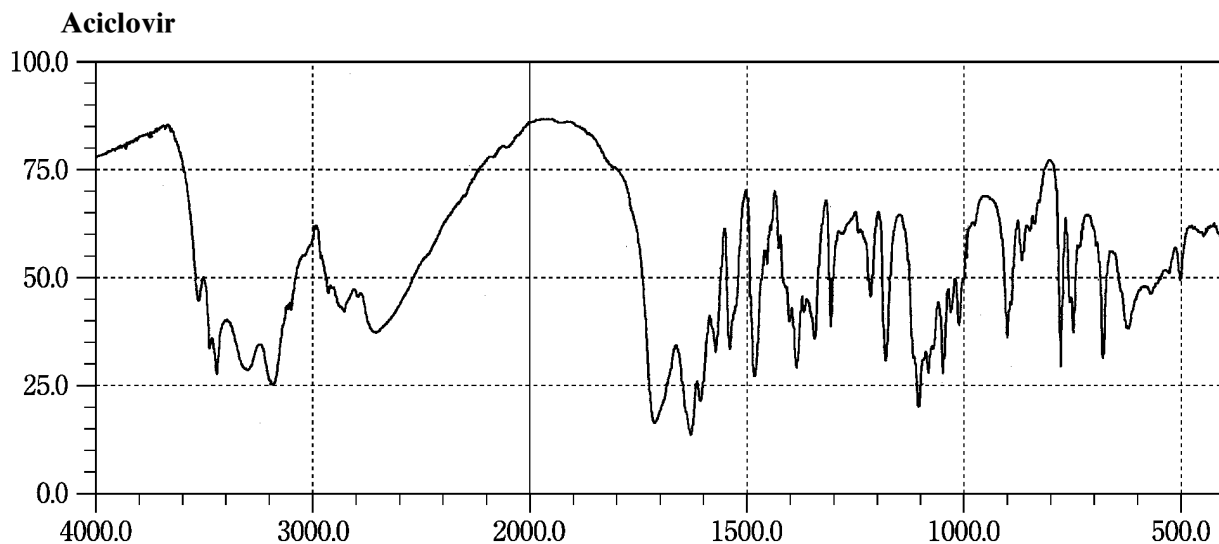
The infrared reference spectra presented here were obtained by the use of Fourier-transform infrared spectrophotometers under the conditions specified in the individual monographs. The horizontal axis indicates the wave numbers ( $\text{cm}^{-1}$ ) and the vertical axis indicates the transmittance (%). A spectrum of polystyrene obtained in the same manner is also presented for reference.

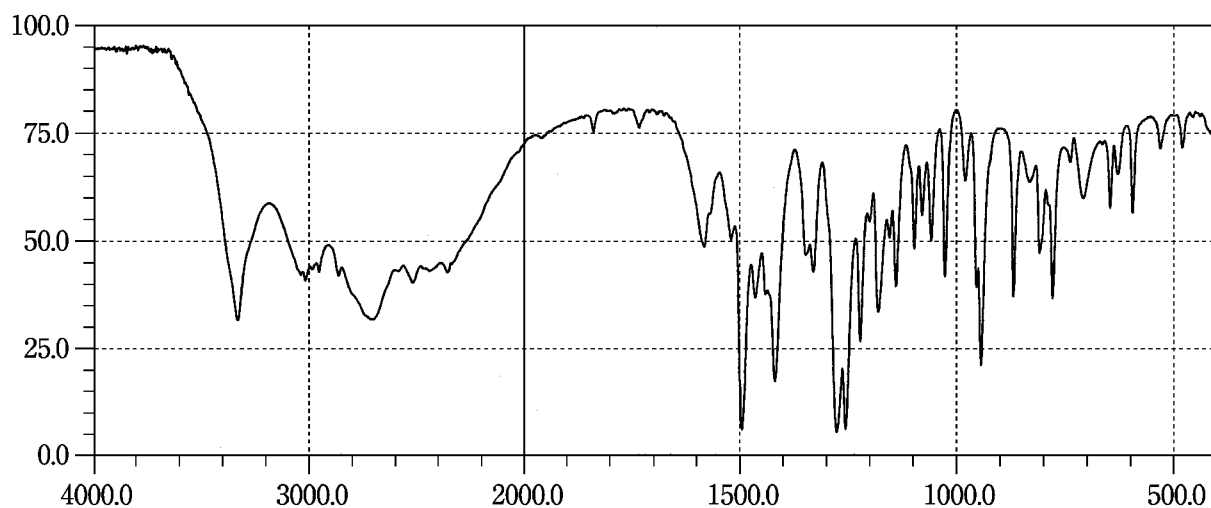
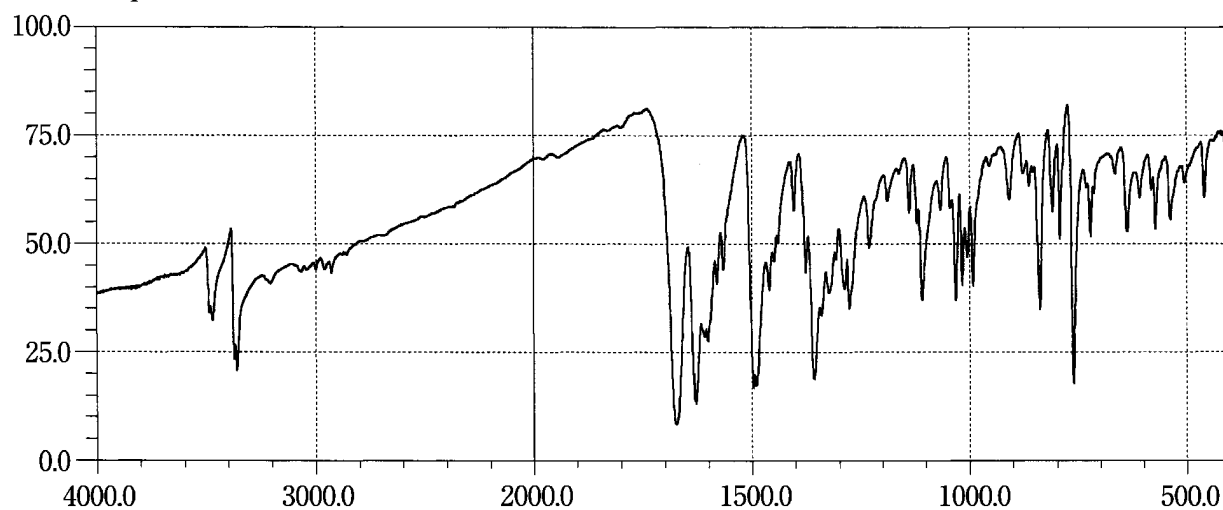
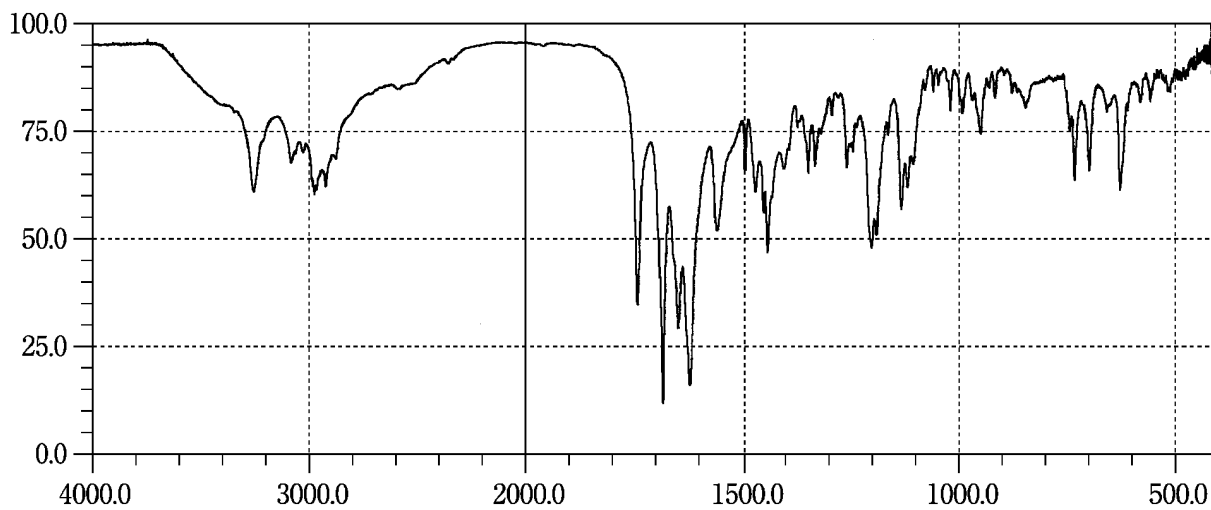
## Polystyrene

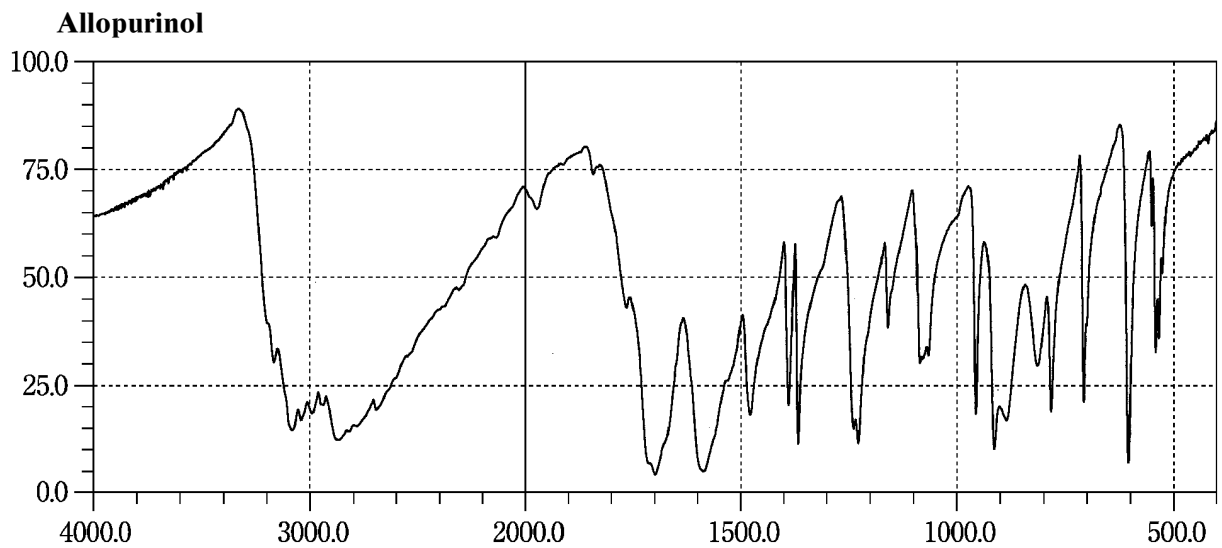
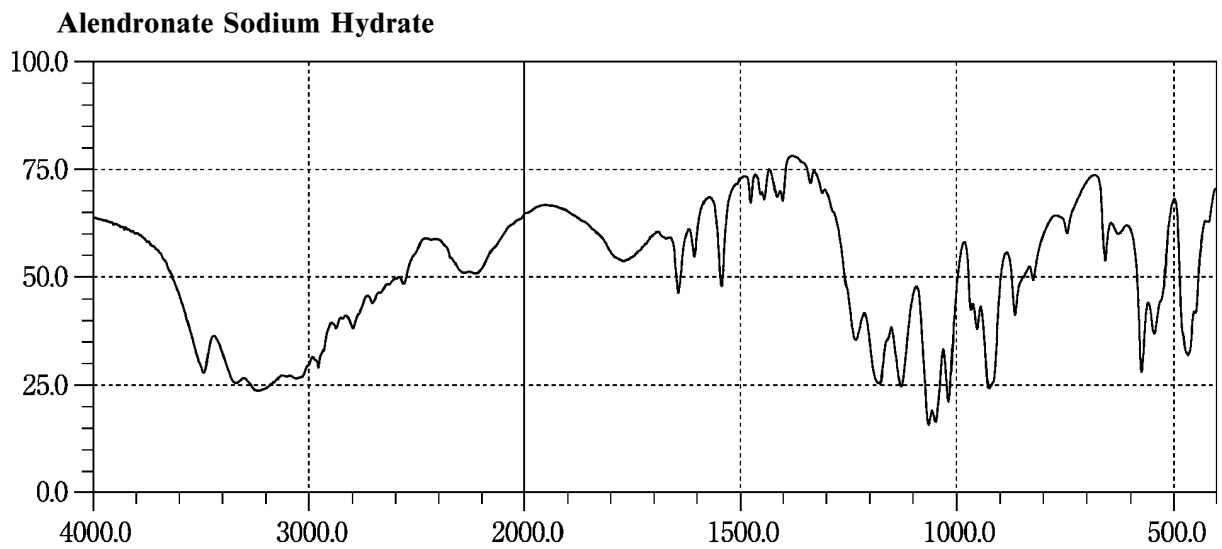
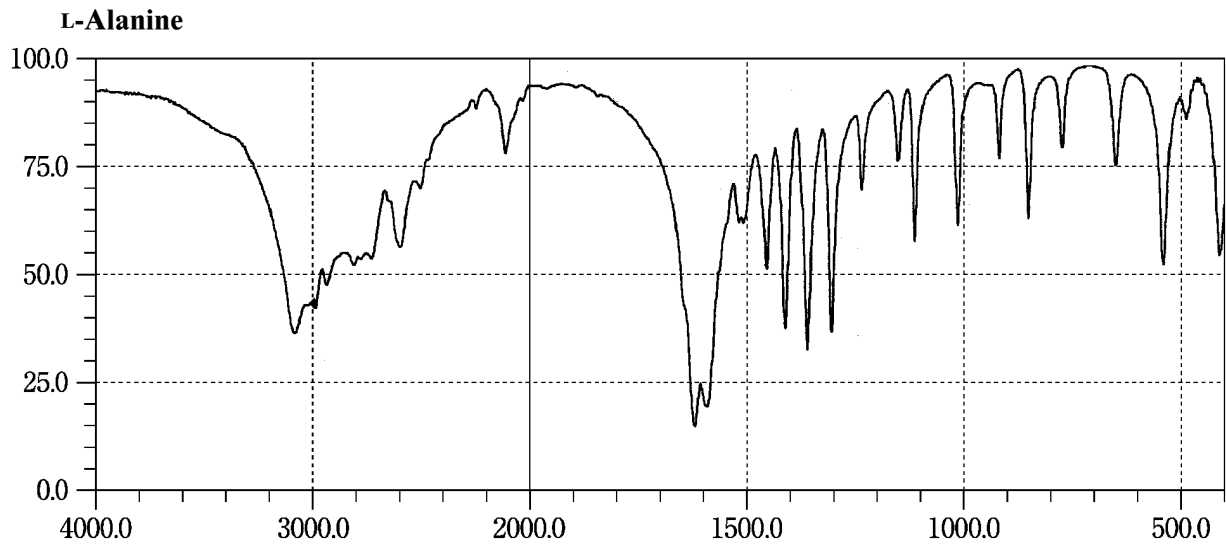


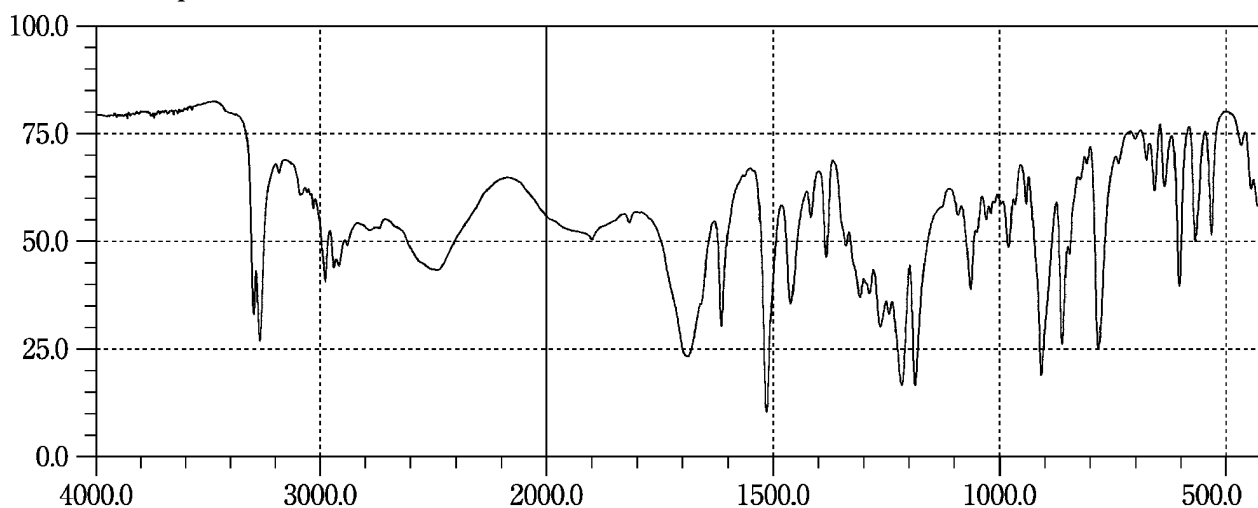
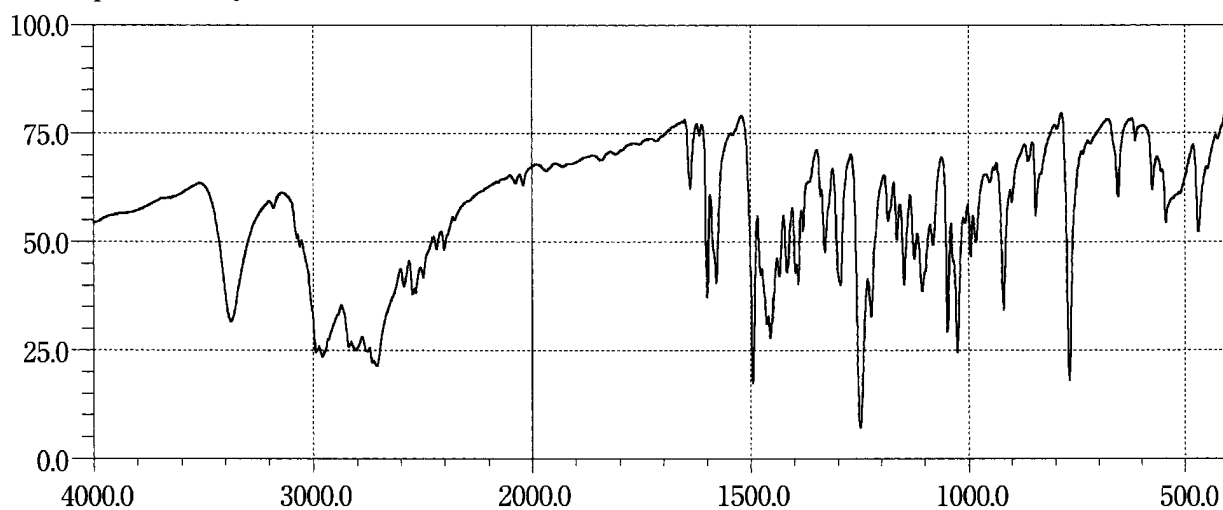
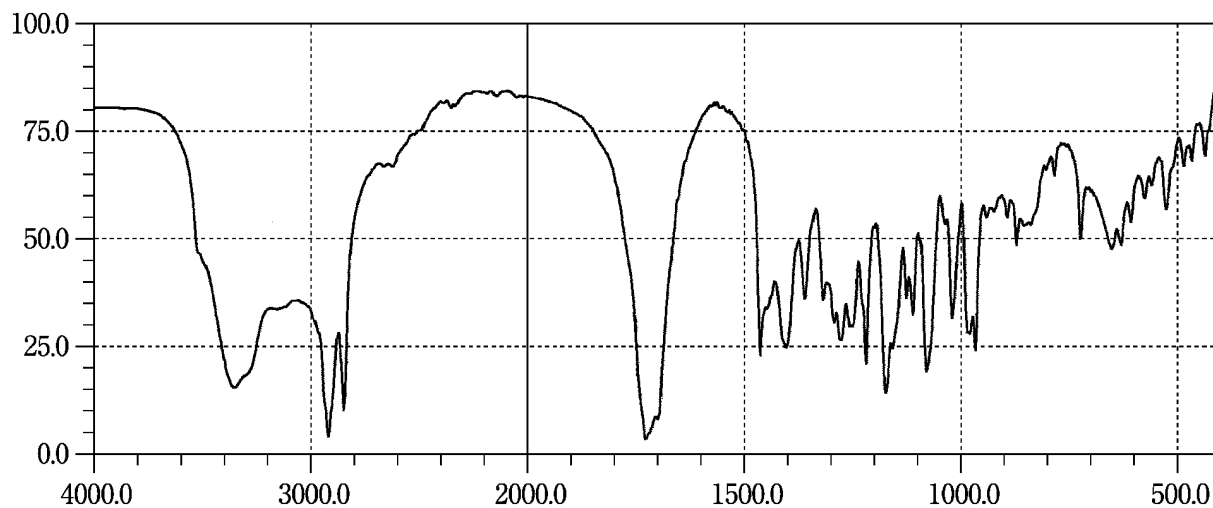
**Acetubolol Hydrochloride****Acemetacin****Acetaminophen**

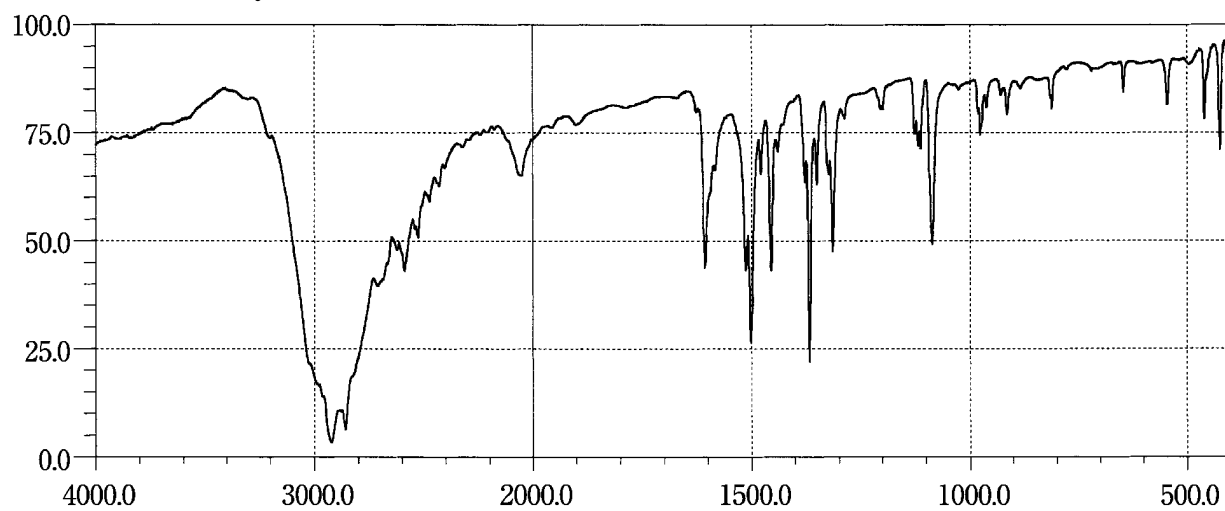
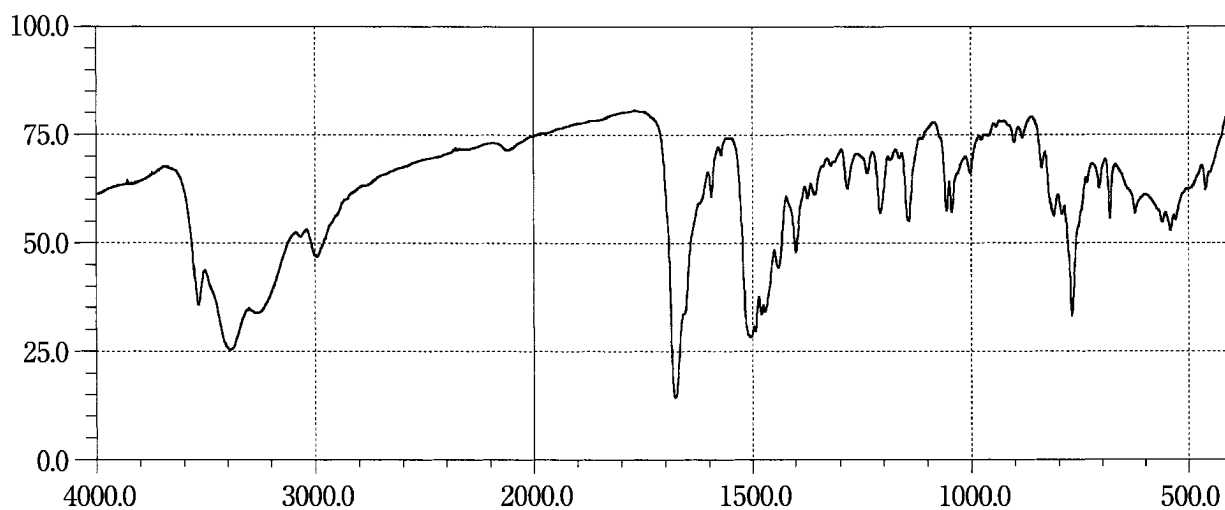
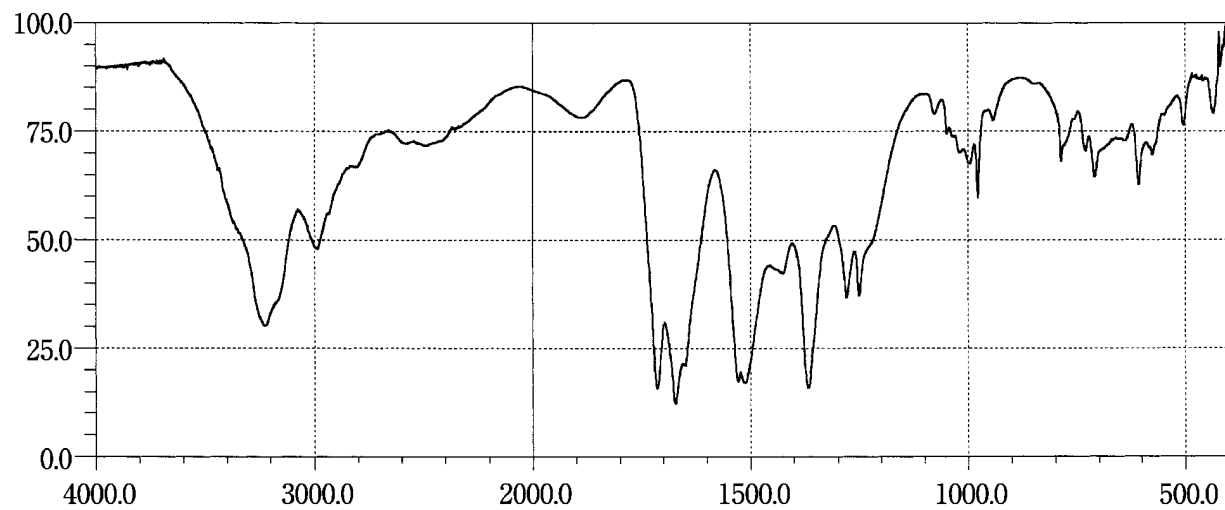
**Acetohexamide****Acetylcholine Chloride for Injection****Acetylcysteine**



**Adrenaline****Afloqualone****Alacepril**

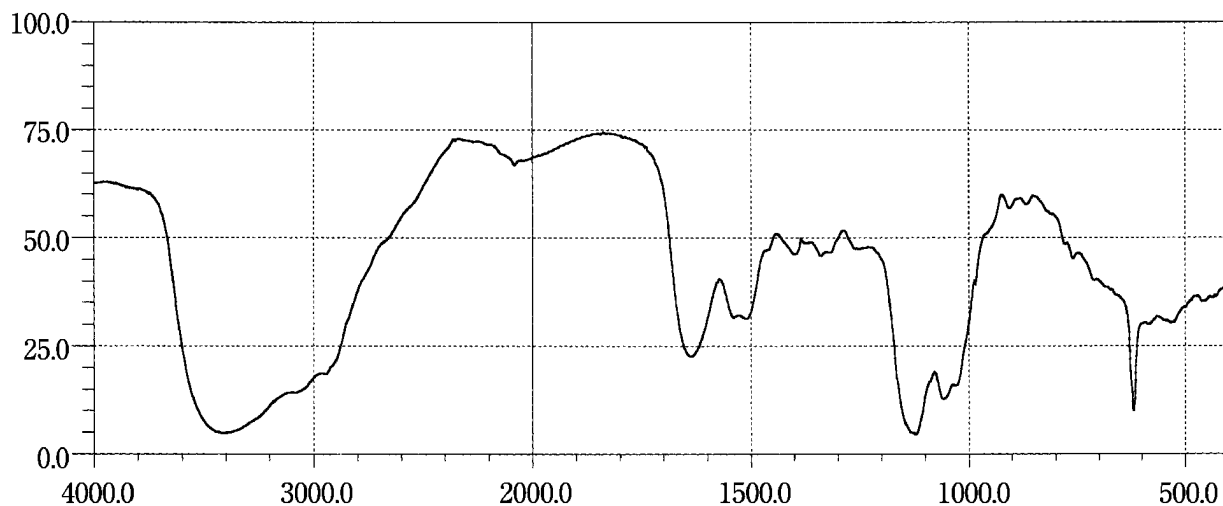


**Alminoprofen****Alprenolol Hydrochloride****Alprostadil**

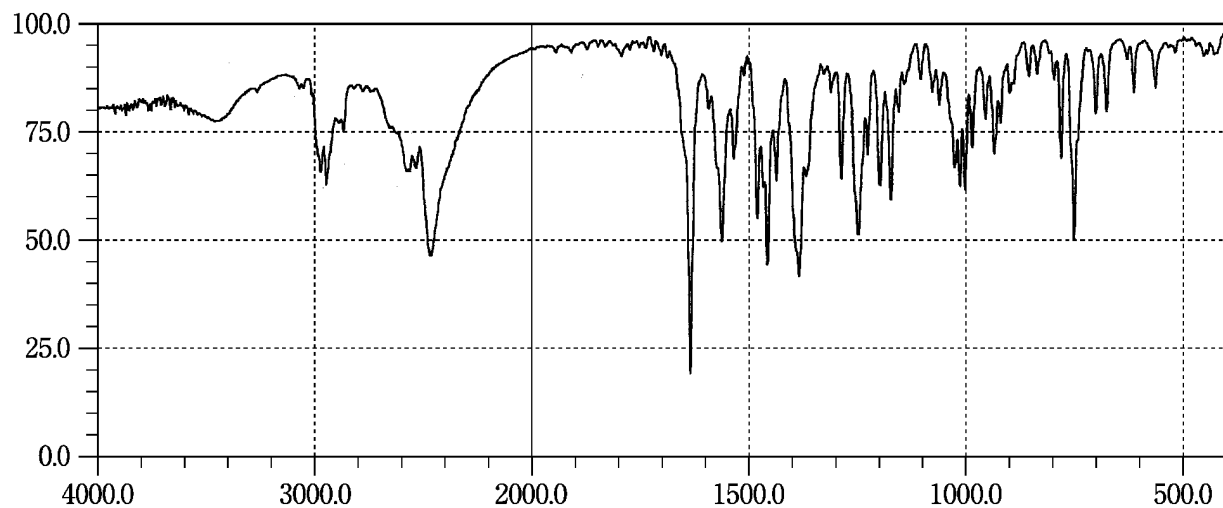
**Amantadine Hydrochloride****Ambenonium Chloride****Amidotrizoic Acid**



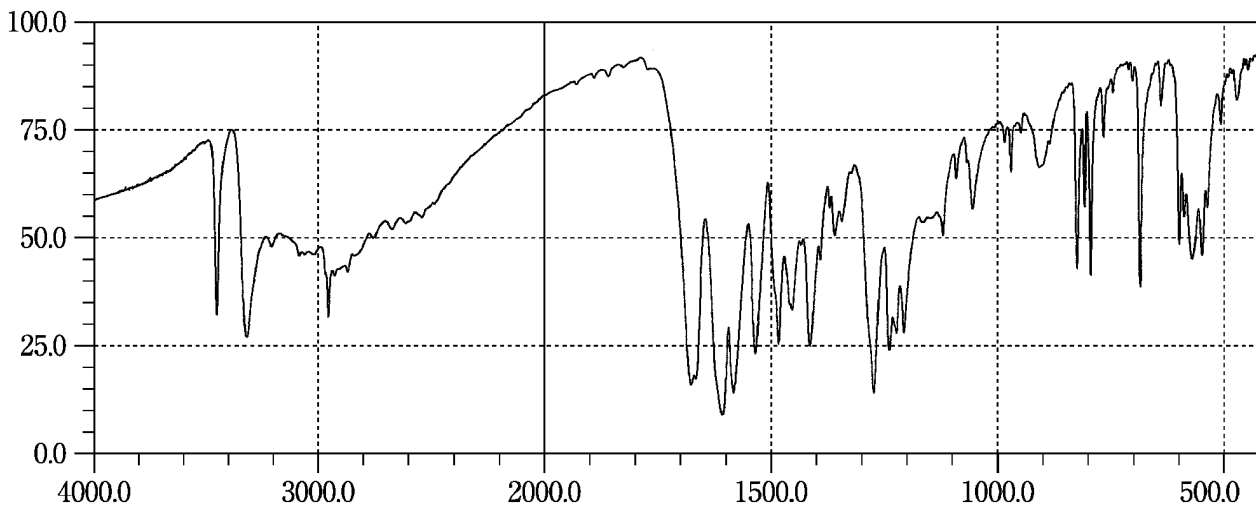
**Amikacin Sulfate**

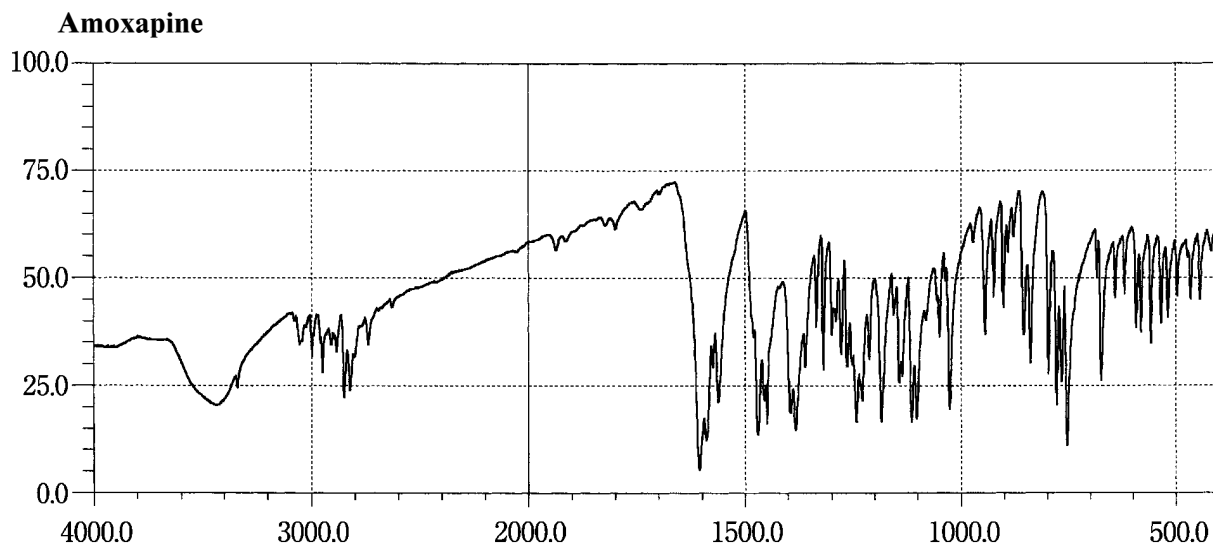
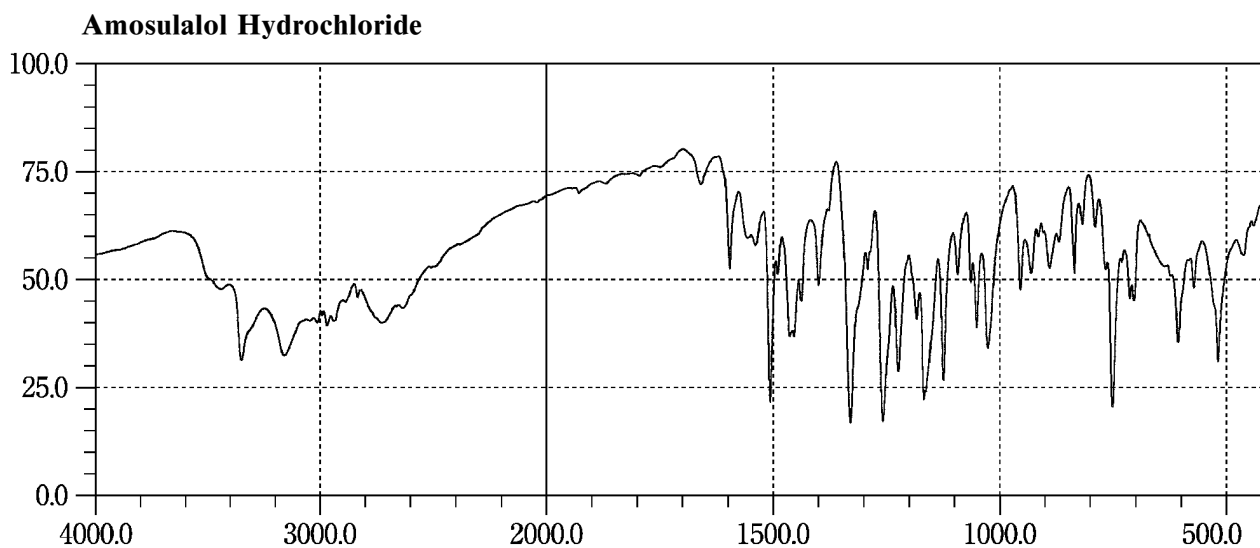
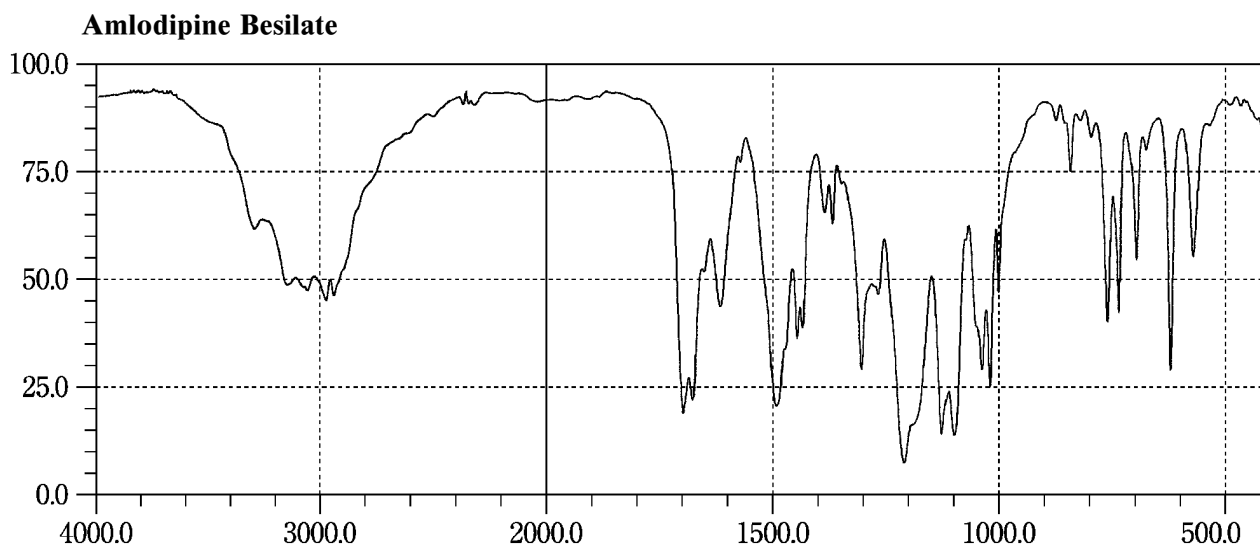


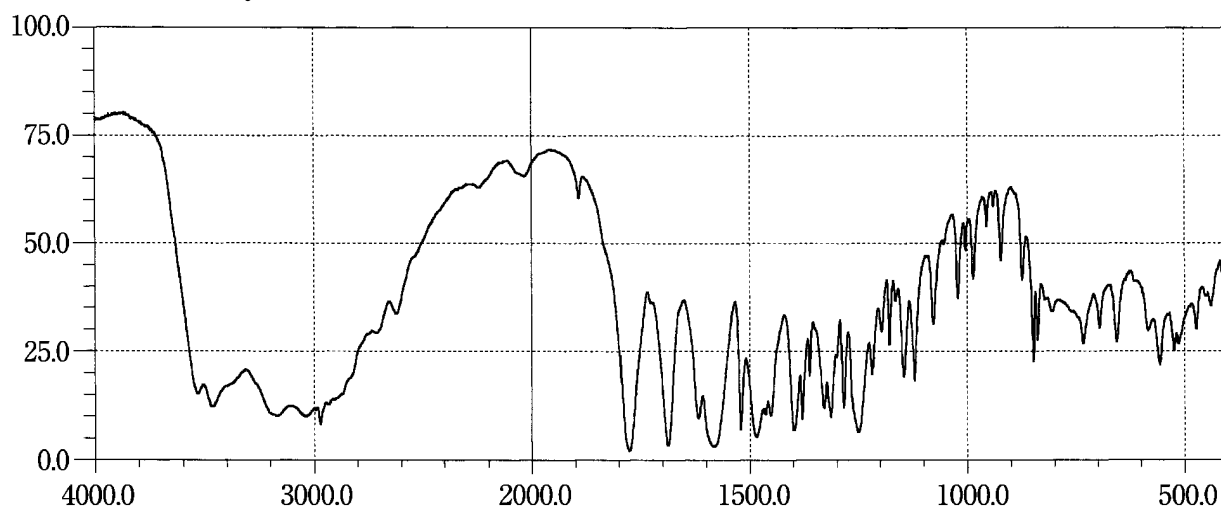
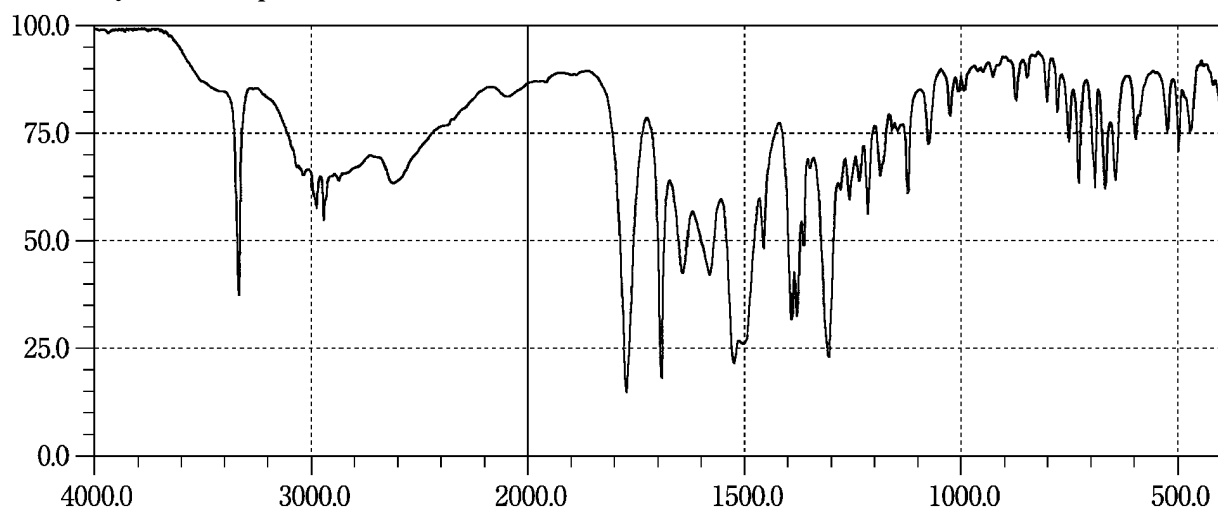
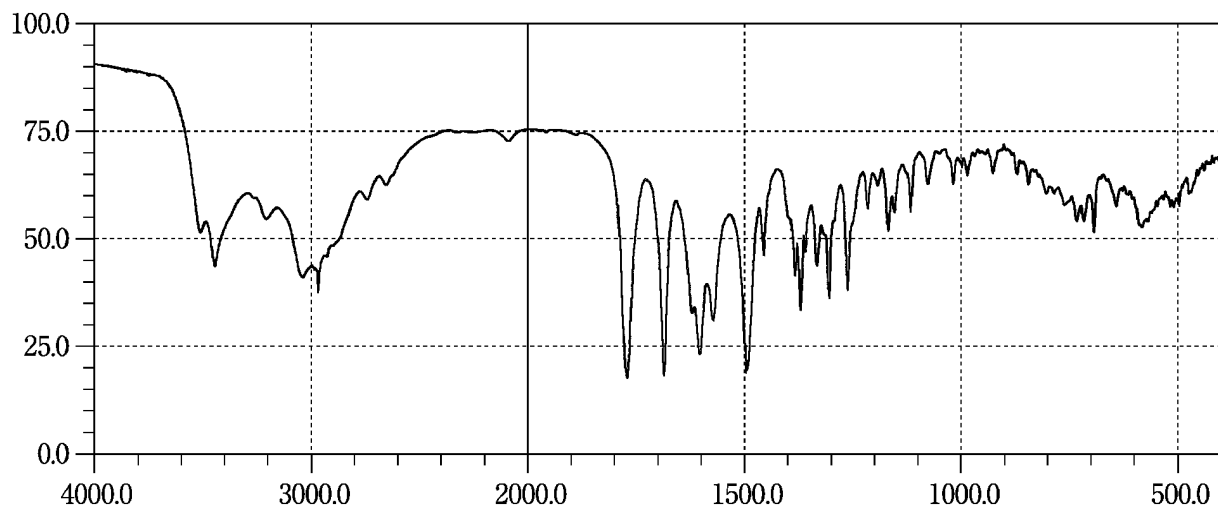
**Amiodarone Hydrochloride**

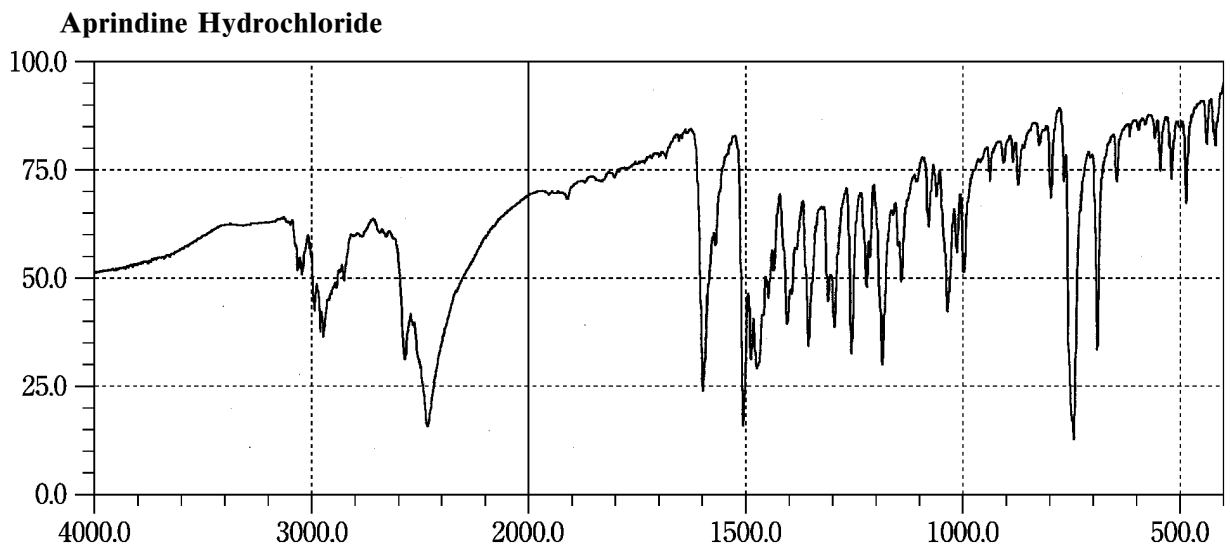
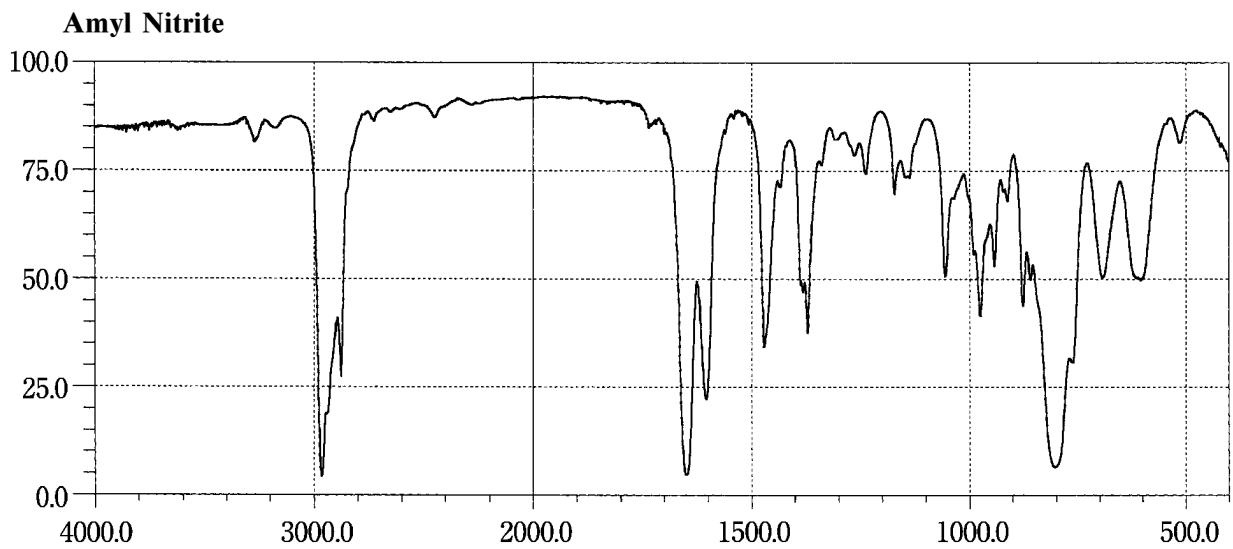
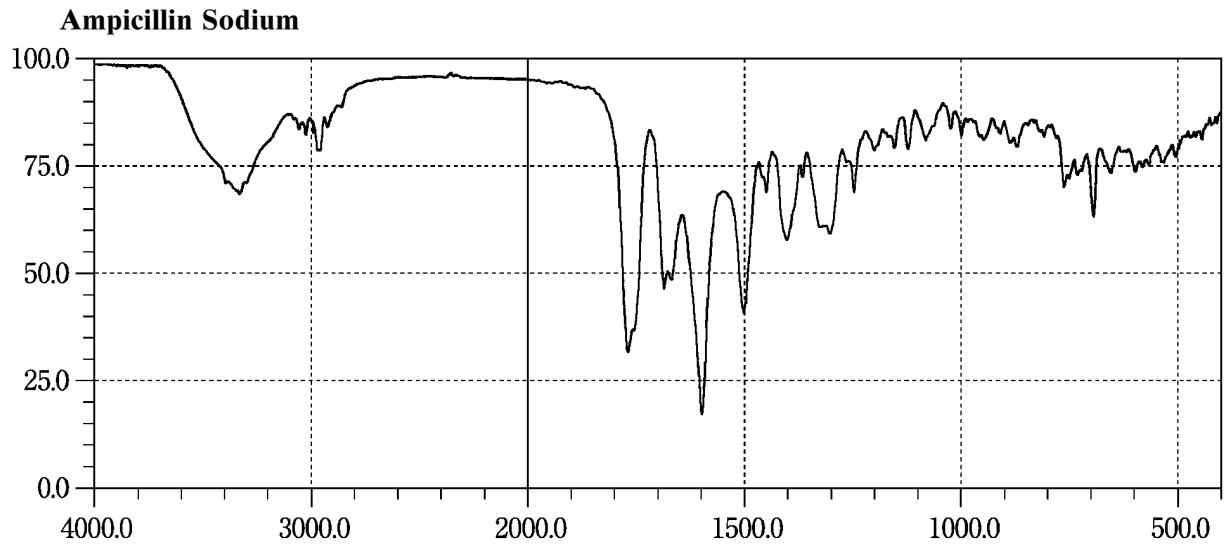


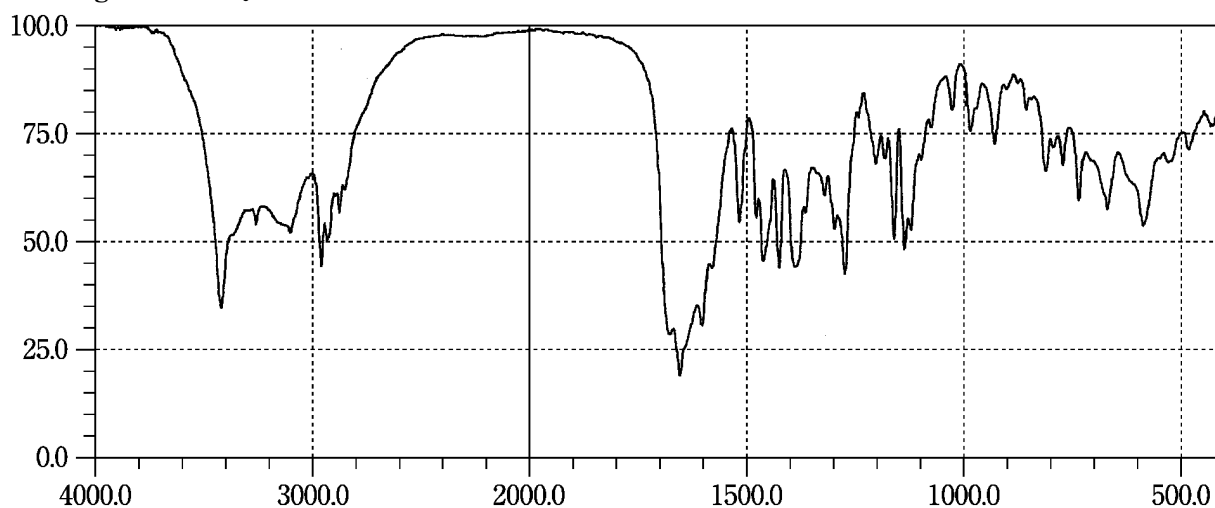
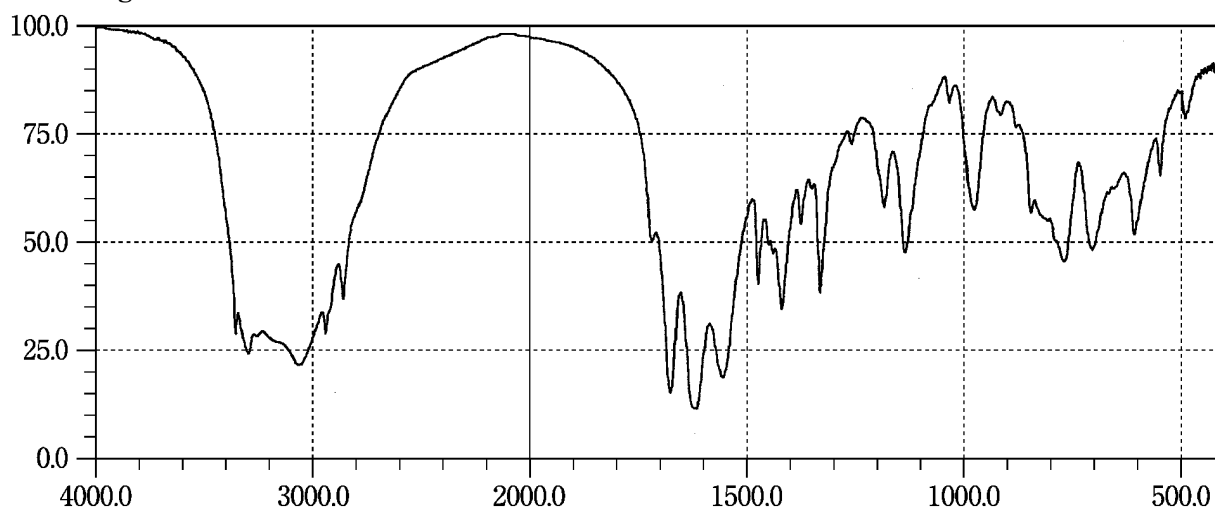
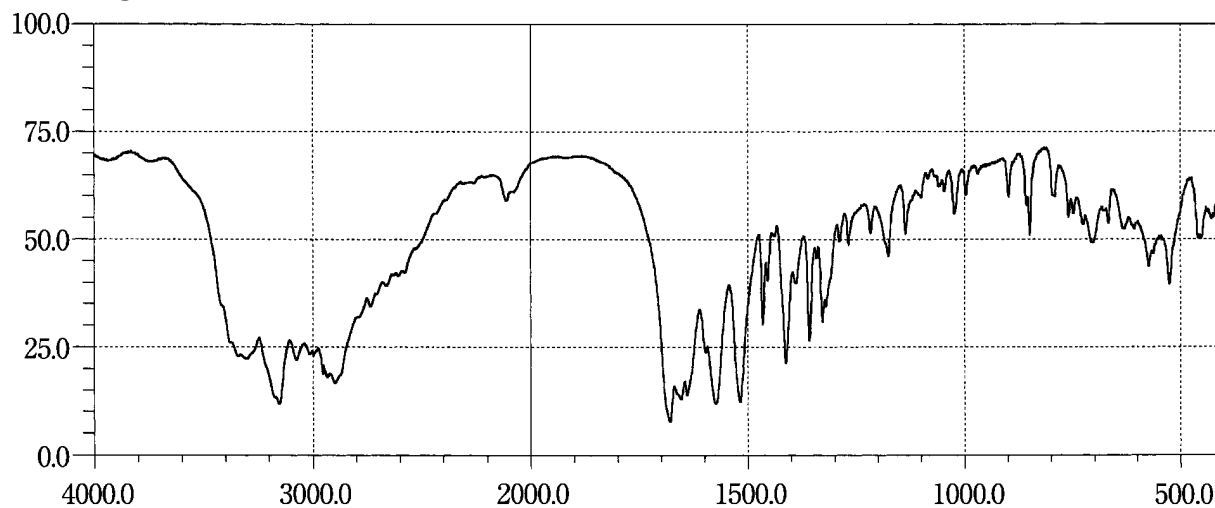
**Amlexanox**



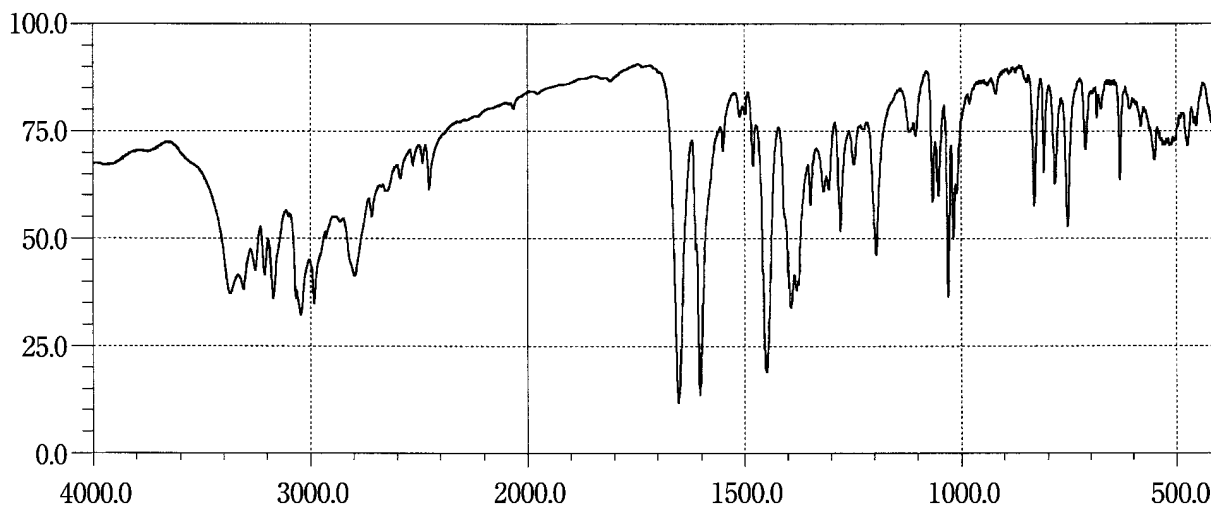


**Amoxicillin Hydrate****Anhydrous Ampicillin****Ampicillin Hydrate**

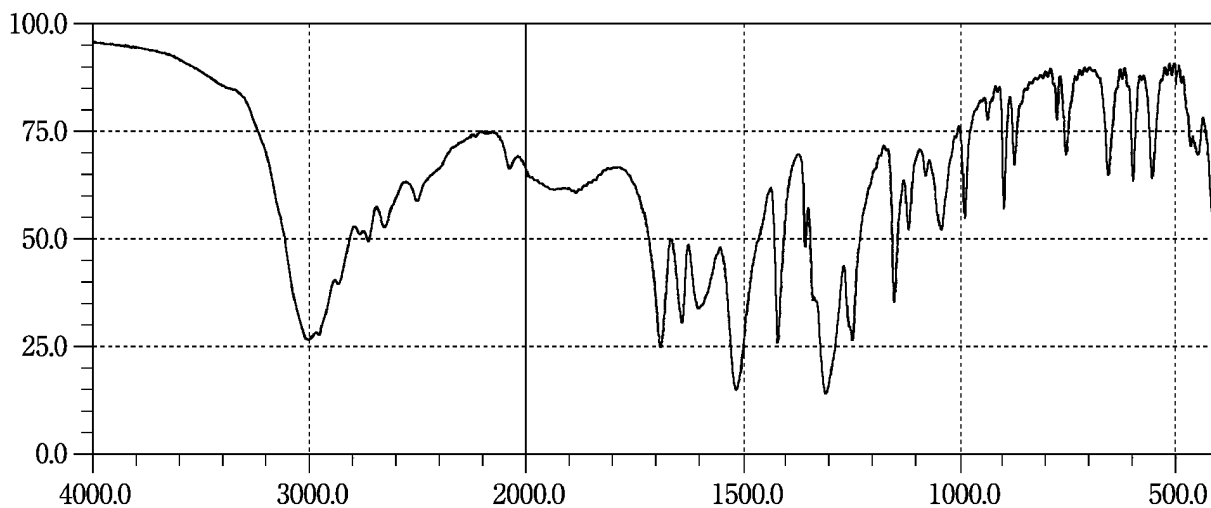


**Argatroban Hydrate****L-Arginine****L-Arginine Hydrochloride**

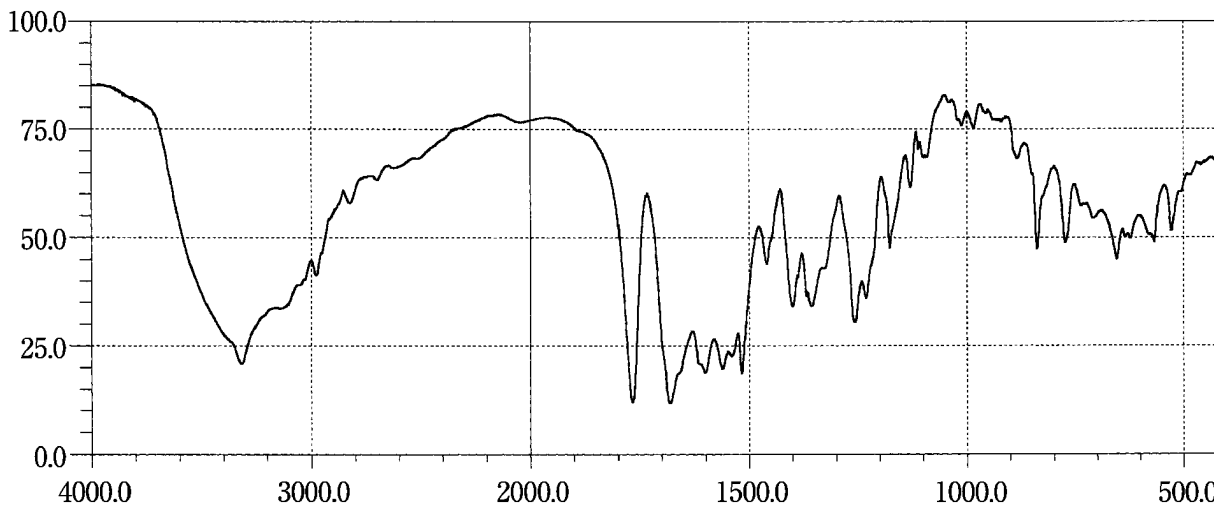
**Arotinolol Hydrochloride**

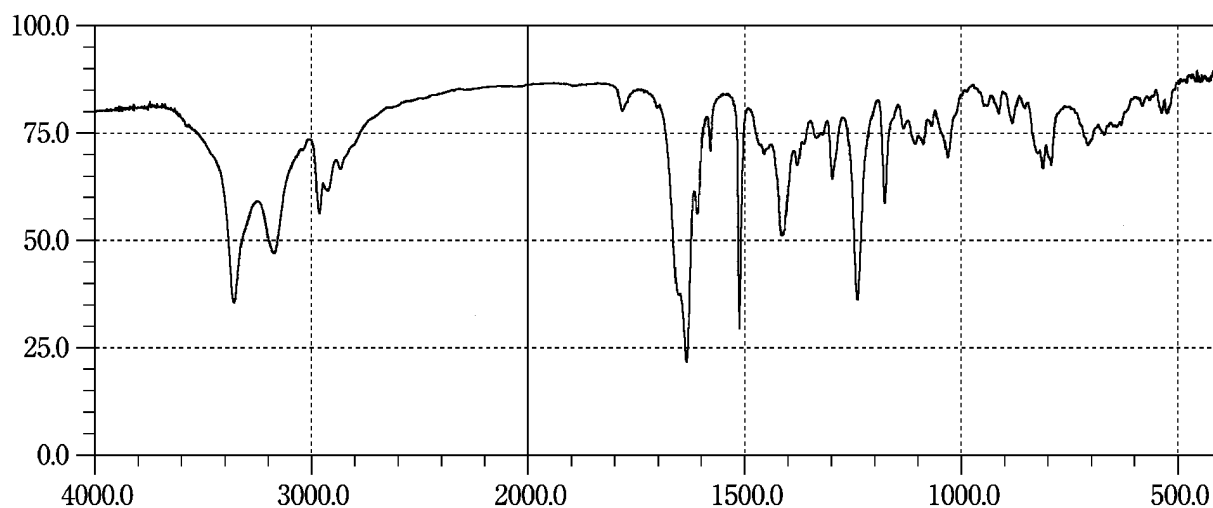
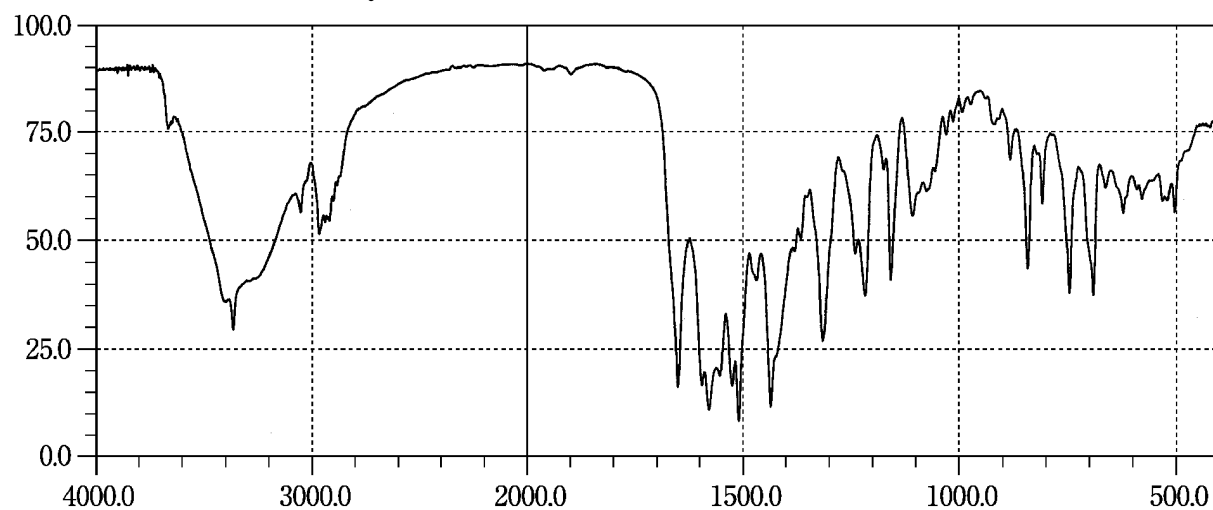
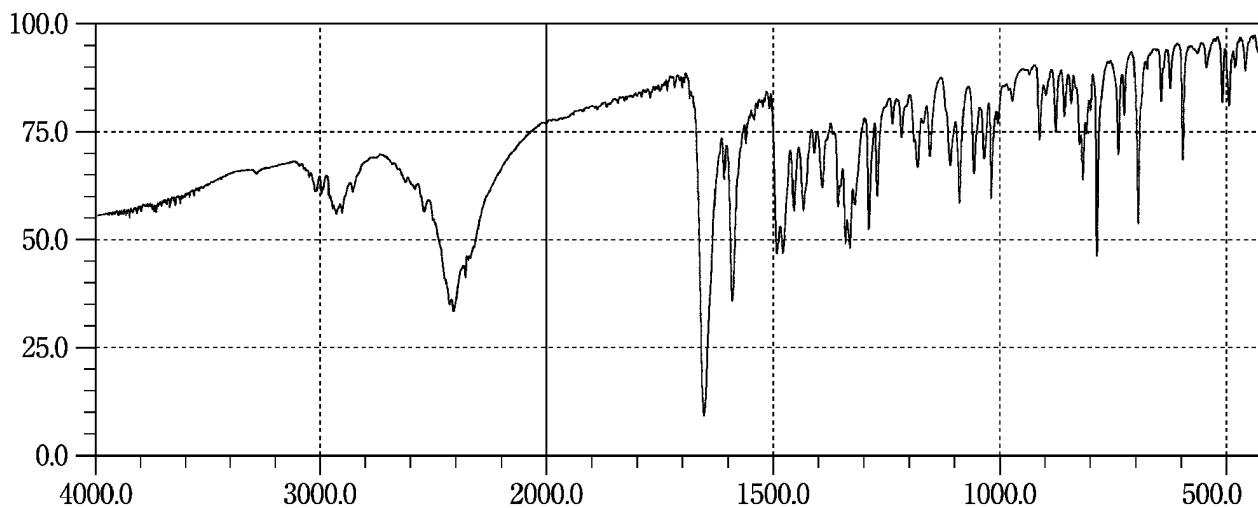


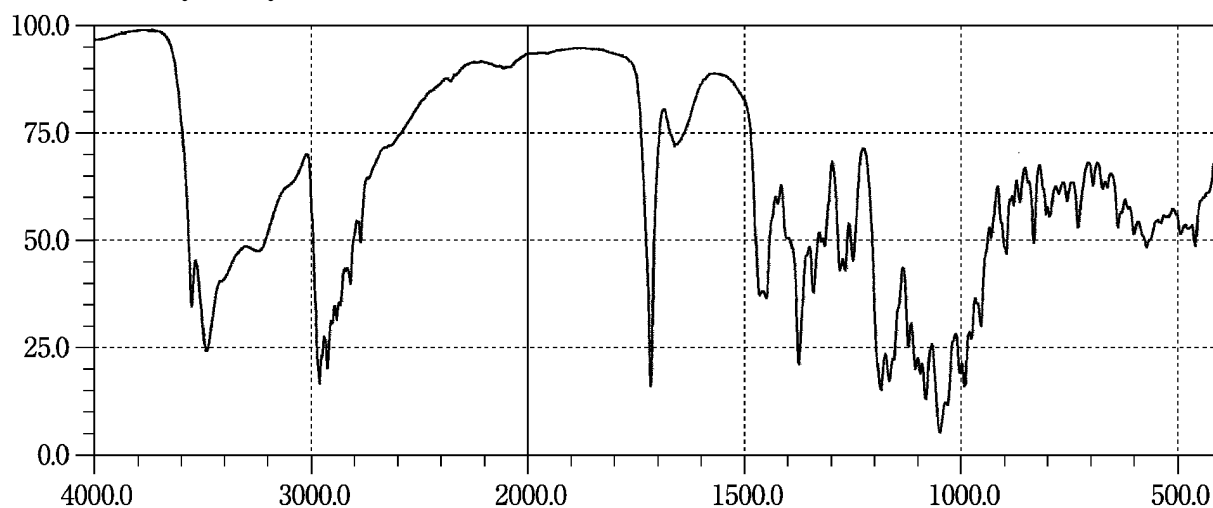
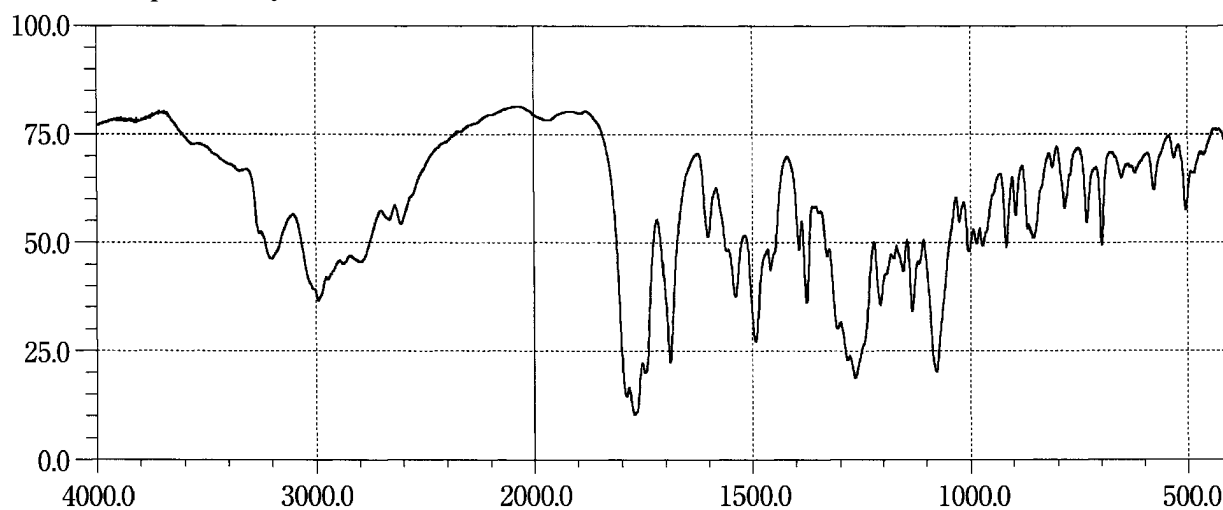
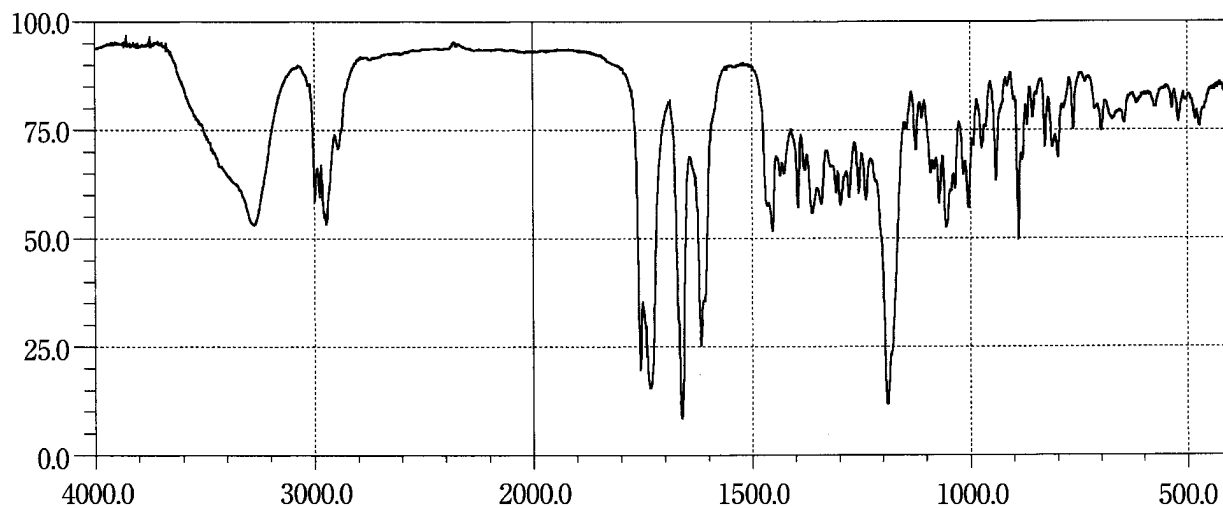
**L-Aspartic Acid**



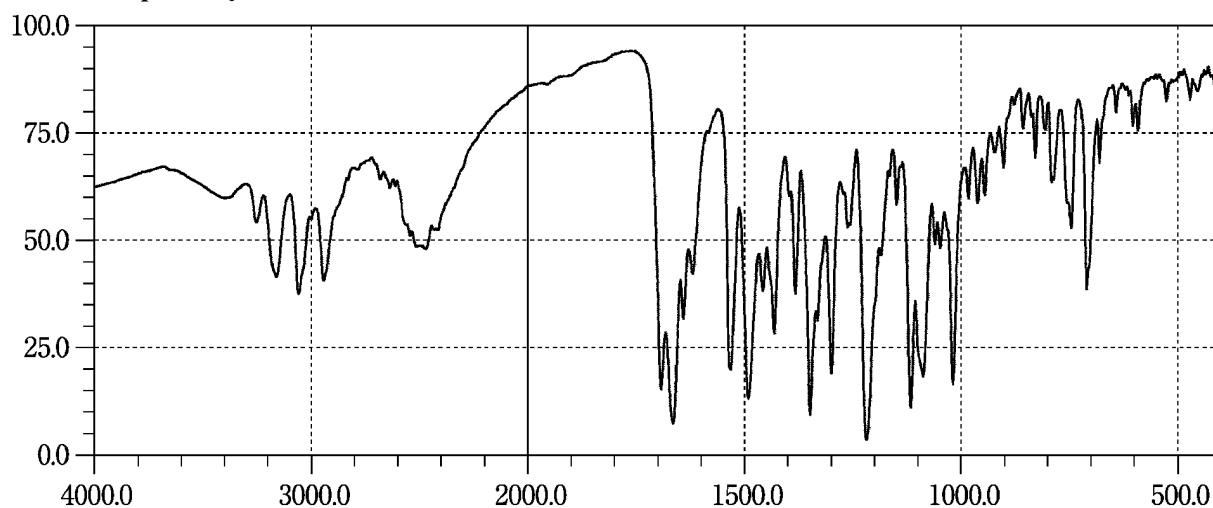
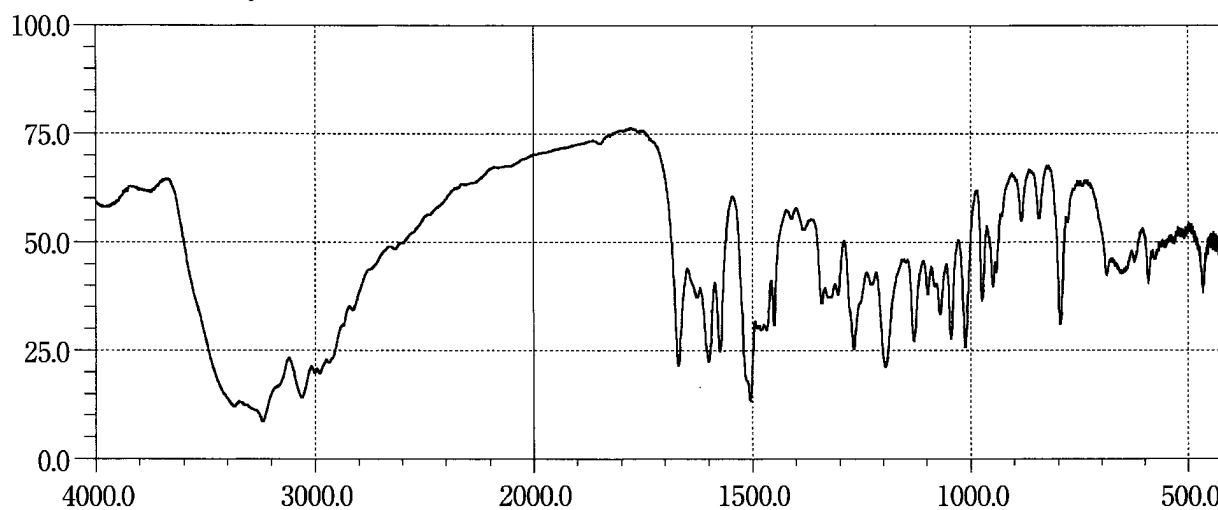
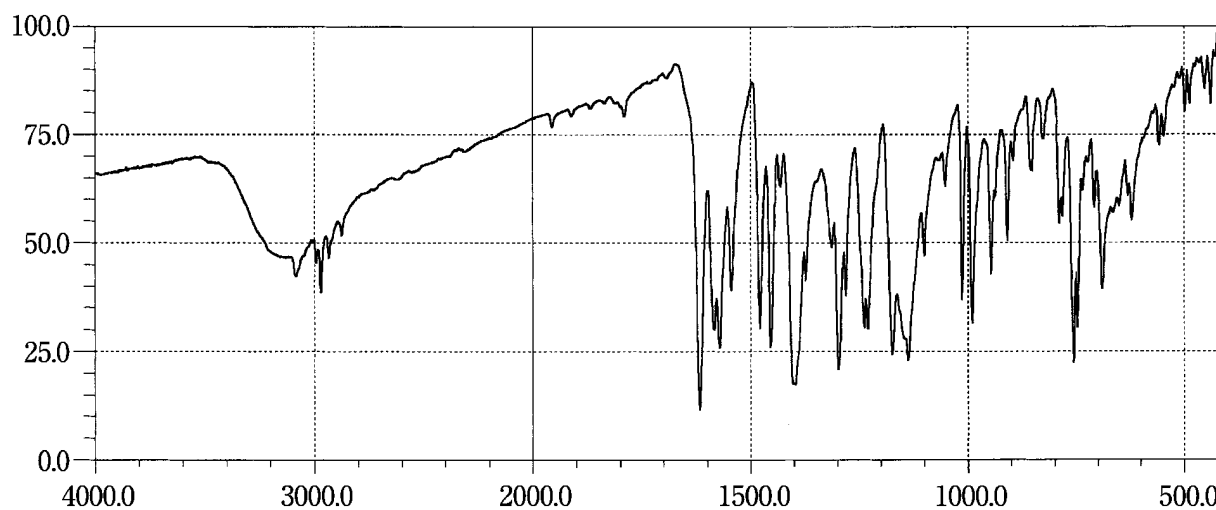
**Aspoxicillin Hydrate**

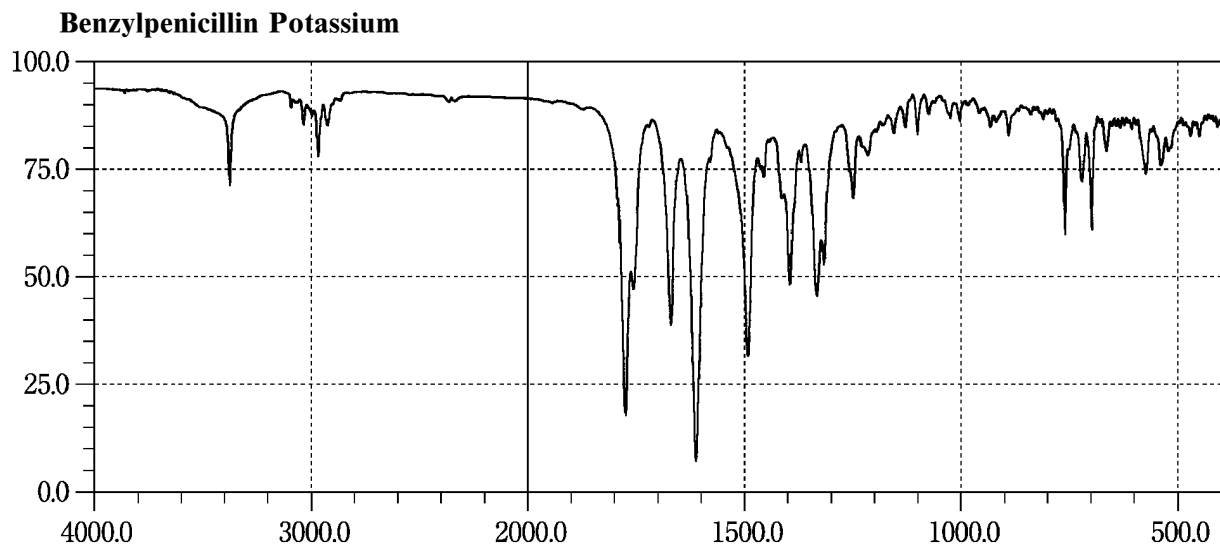
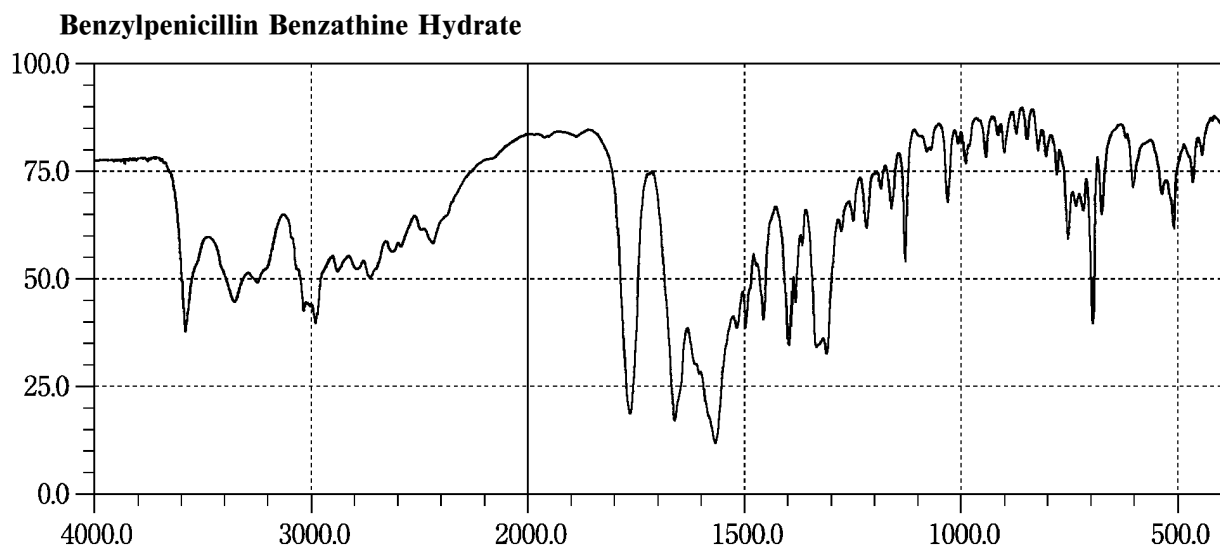
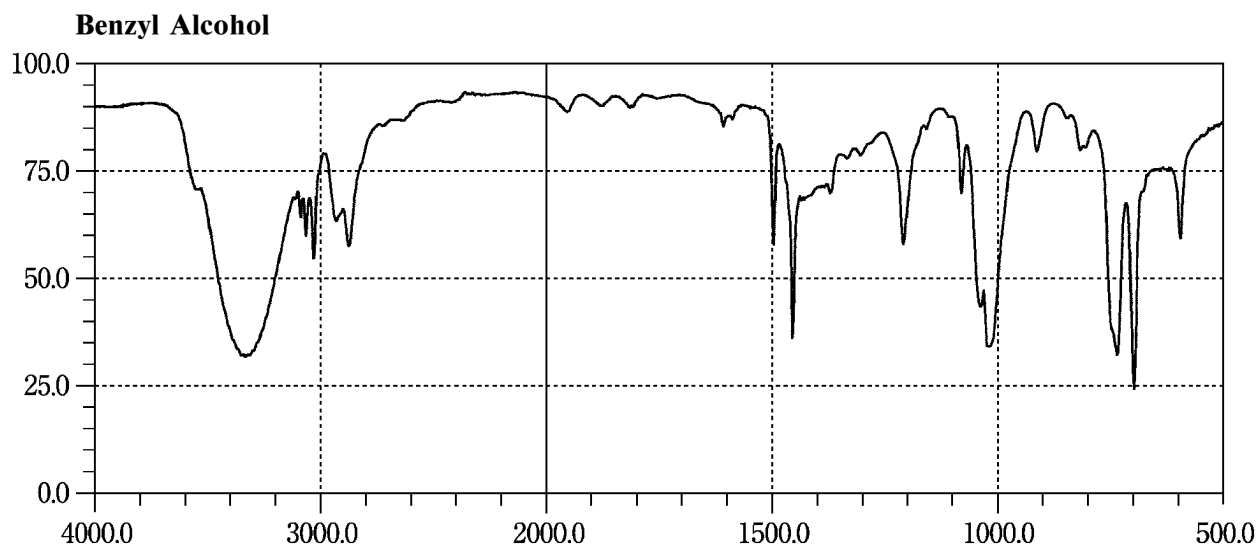


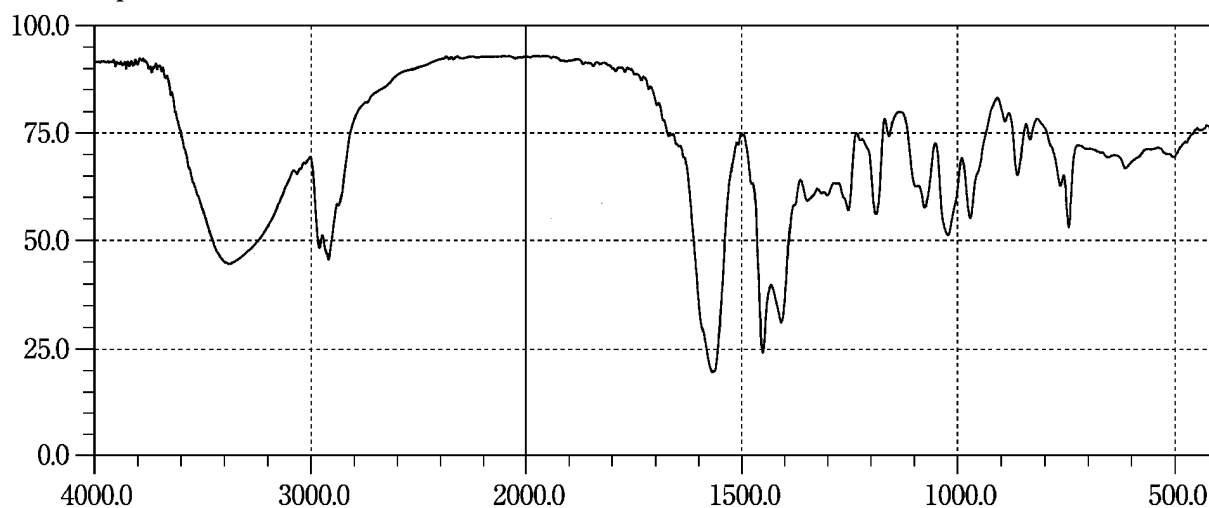
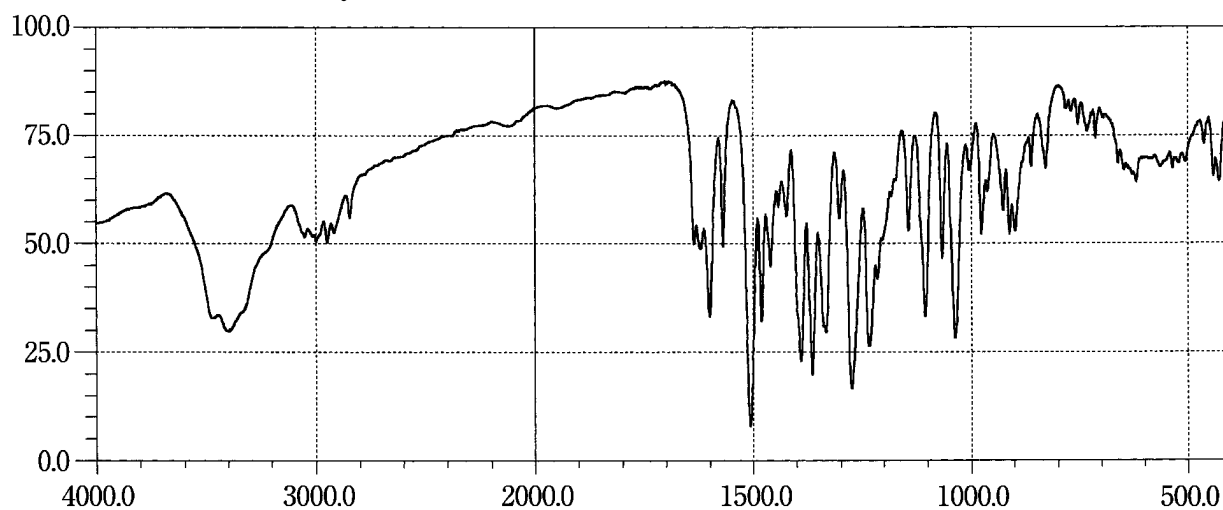
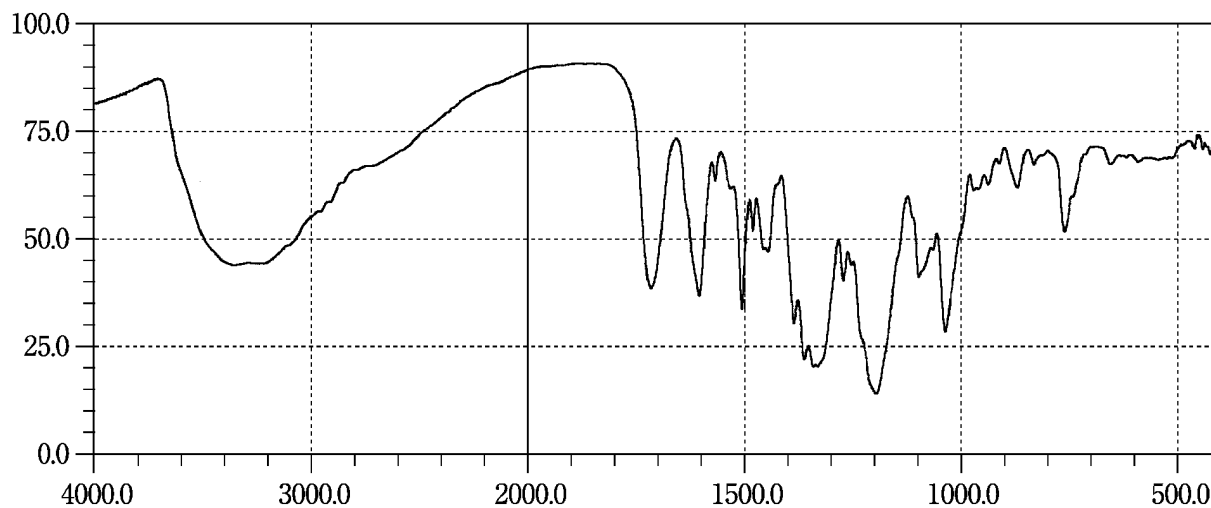
**Atenolol****Atorvastatin Calcium Hydrate****Azelastine Hydrochloride**

**Azithromycin Hydrate****Bacampicillin Hydrochloride****Beclometasone Dipropionate**

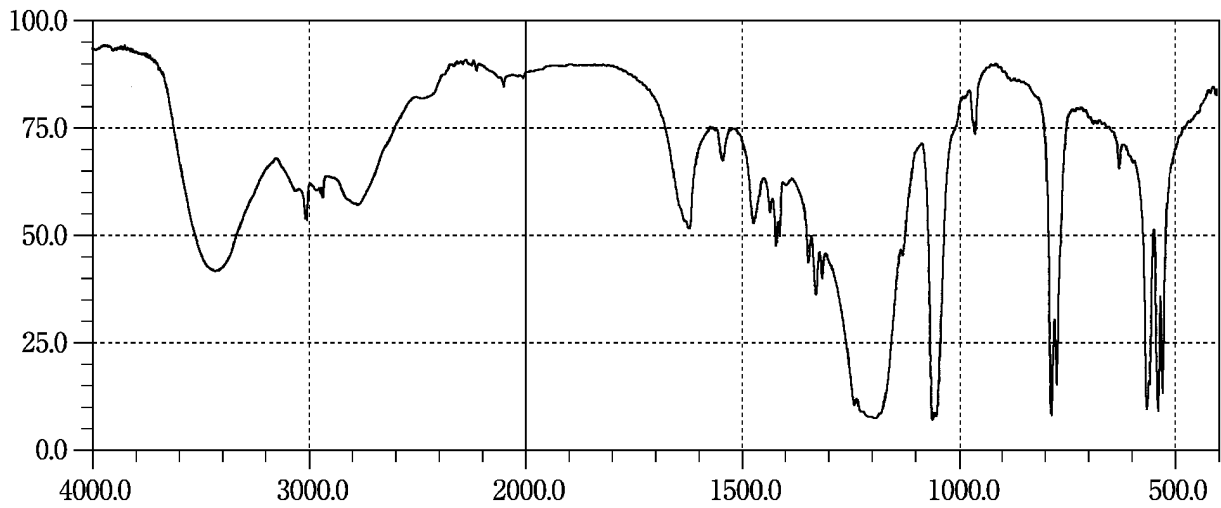


**Benidipine Hydrochloride****Benserazide Hydrochloride****Benzbromarone**

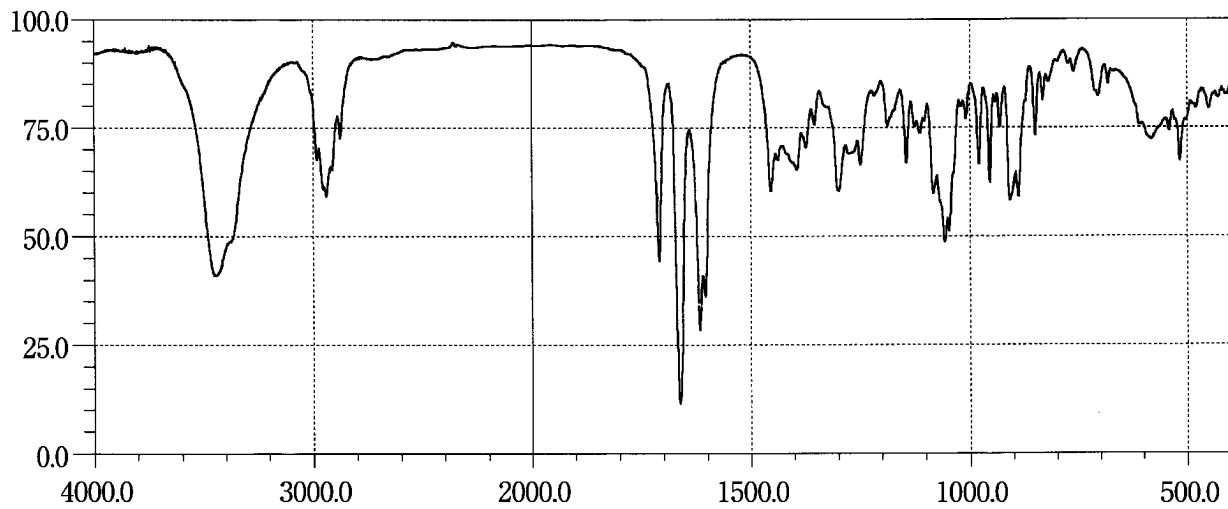


**Beraprost Sodium****Berberine Chloride Hydrate****Berberine Tannate**

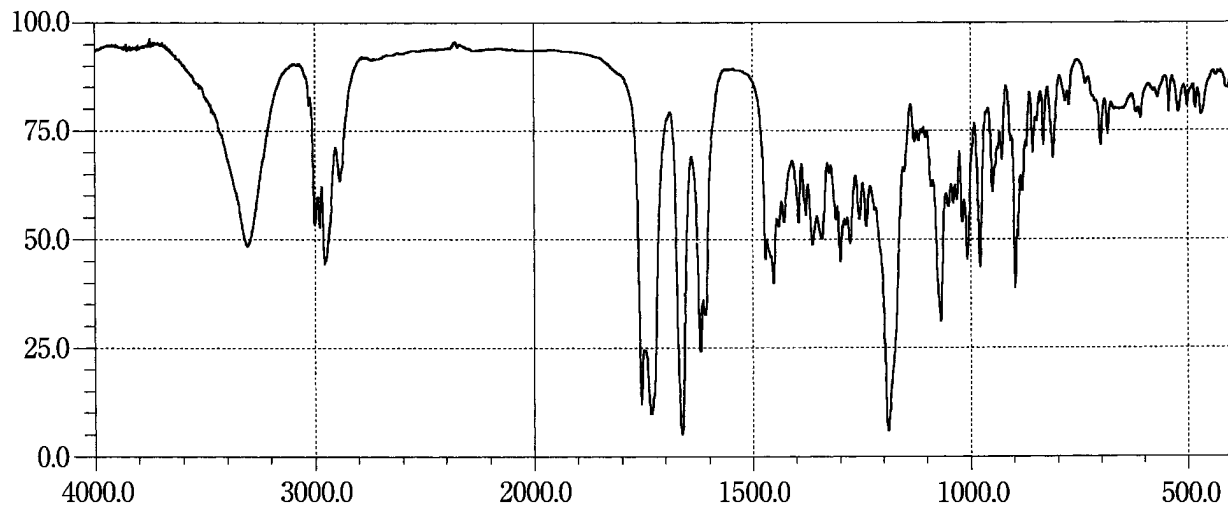
**Betahistine Mesilate**

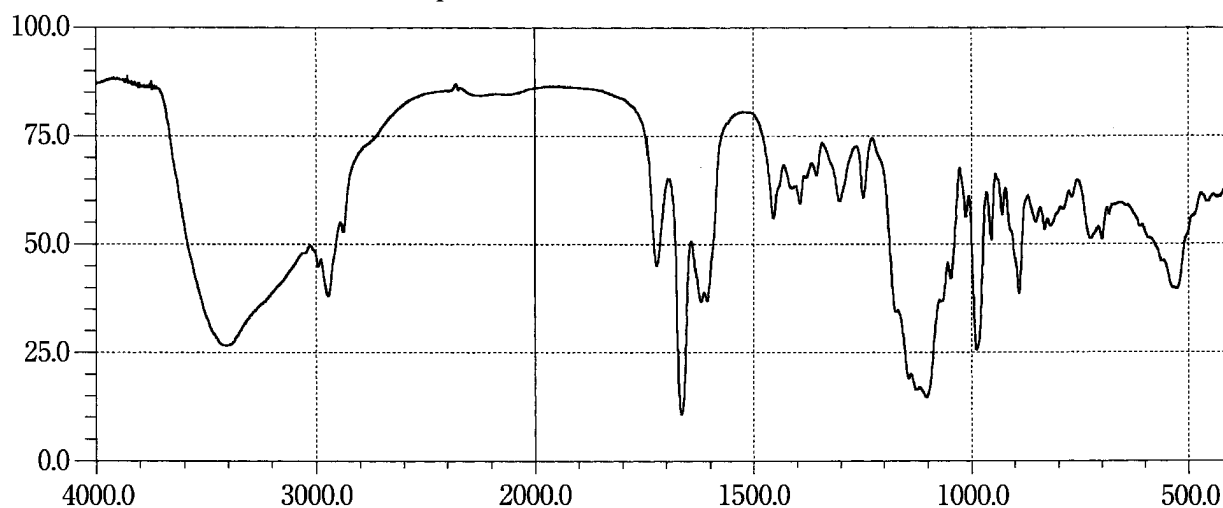
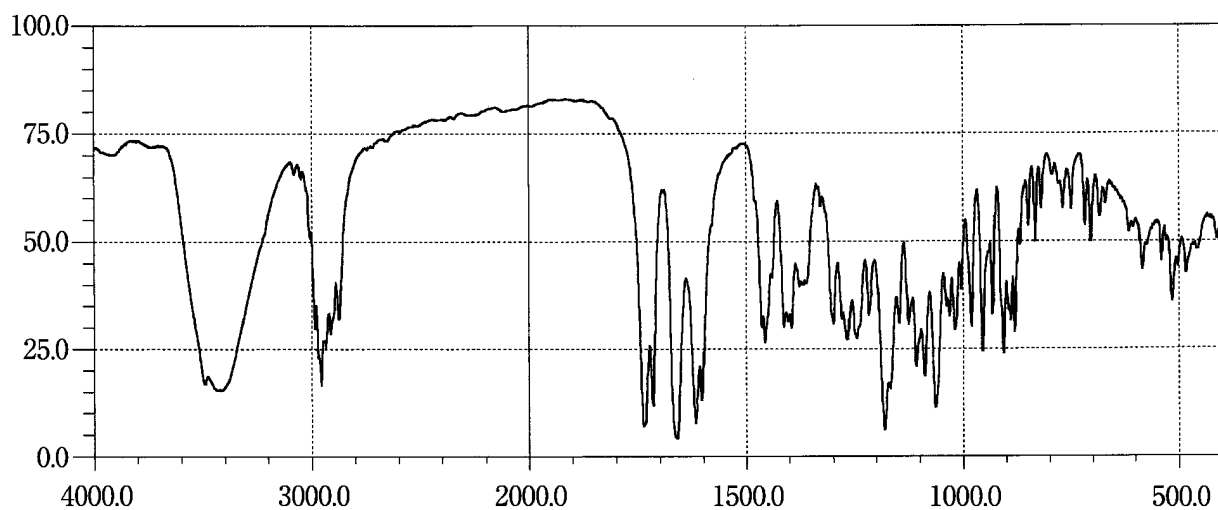
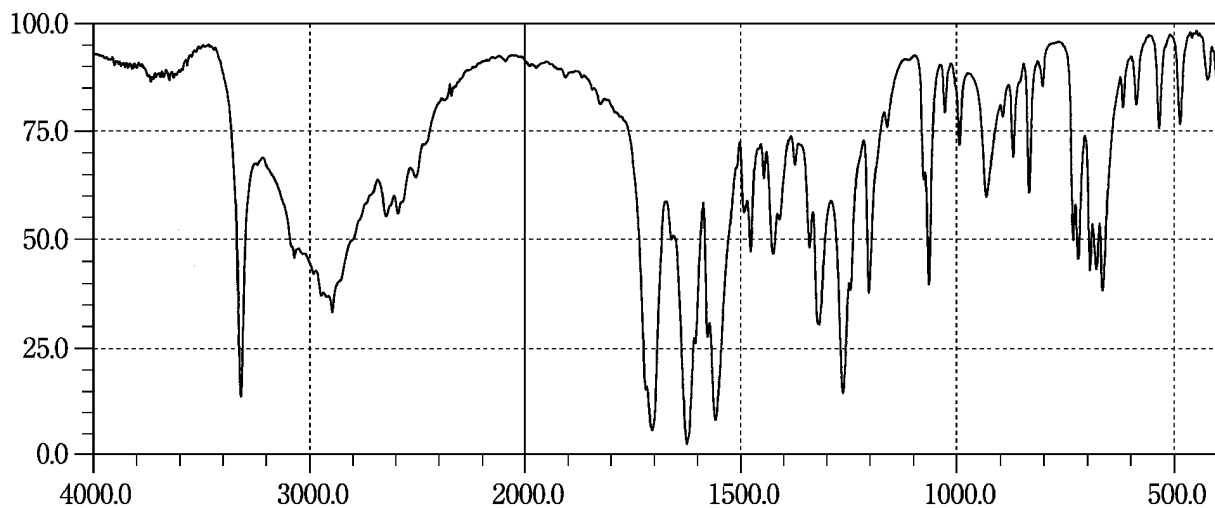


**Betamethasone**

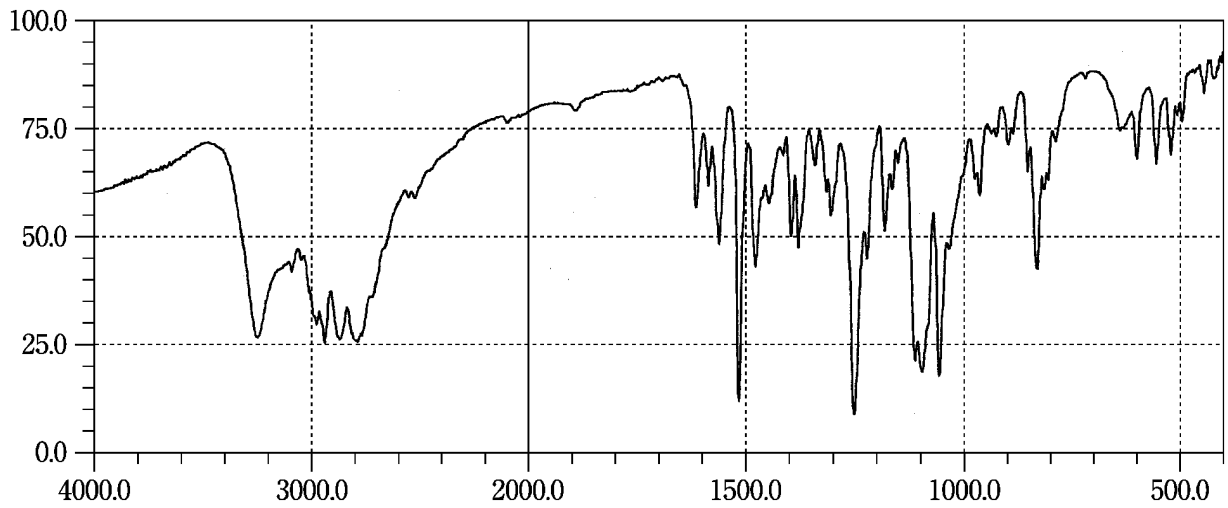


**Betamethasone Dipropionate**

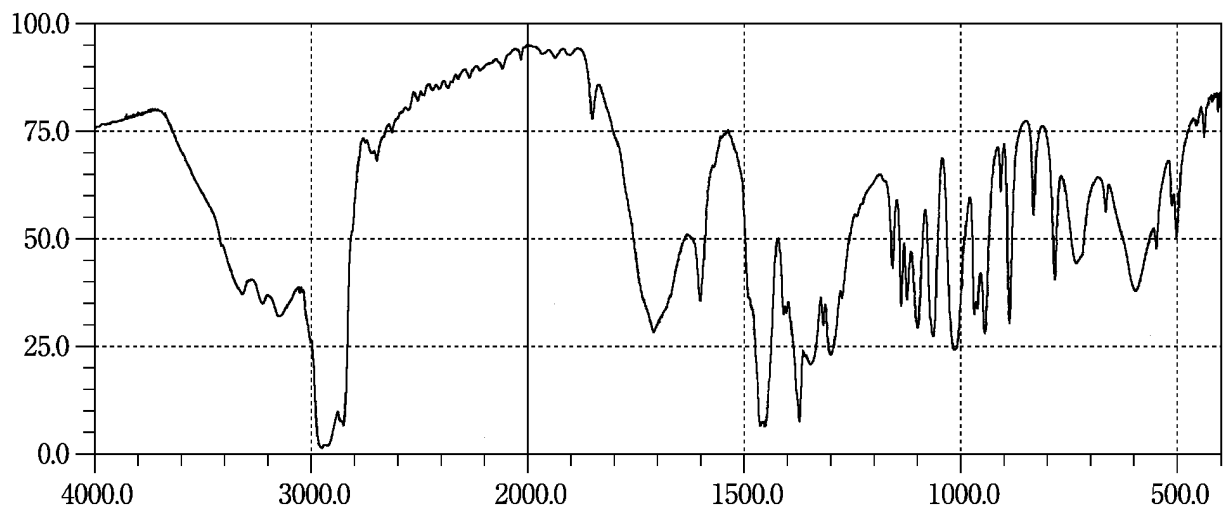


**Betamethasone Sodium Phosphate****Betamethasone Valerate****Betamipron**

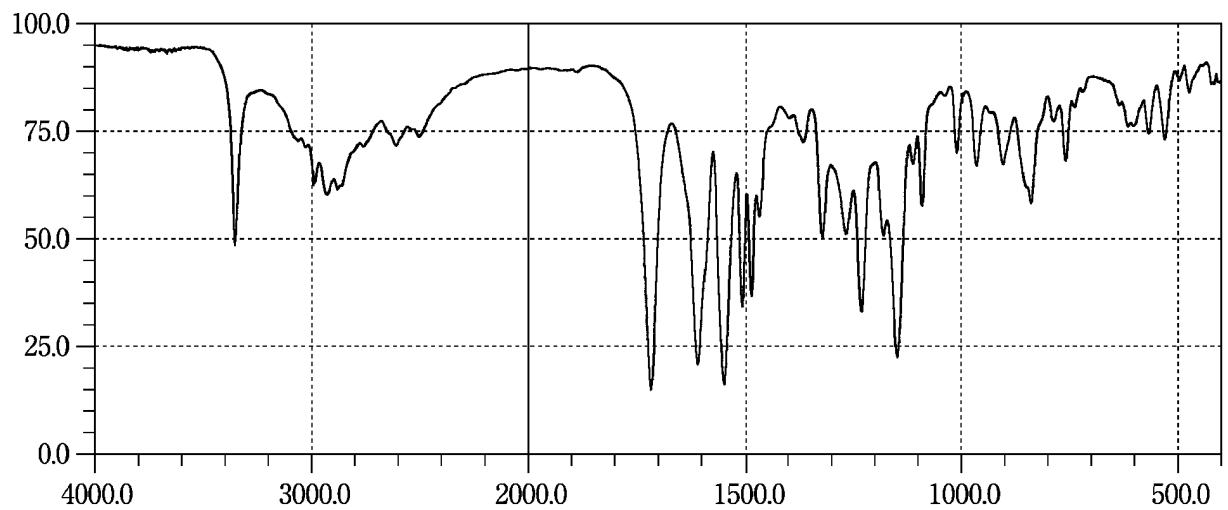
**Betaxolol Hydrochloride**

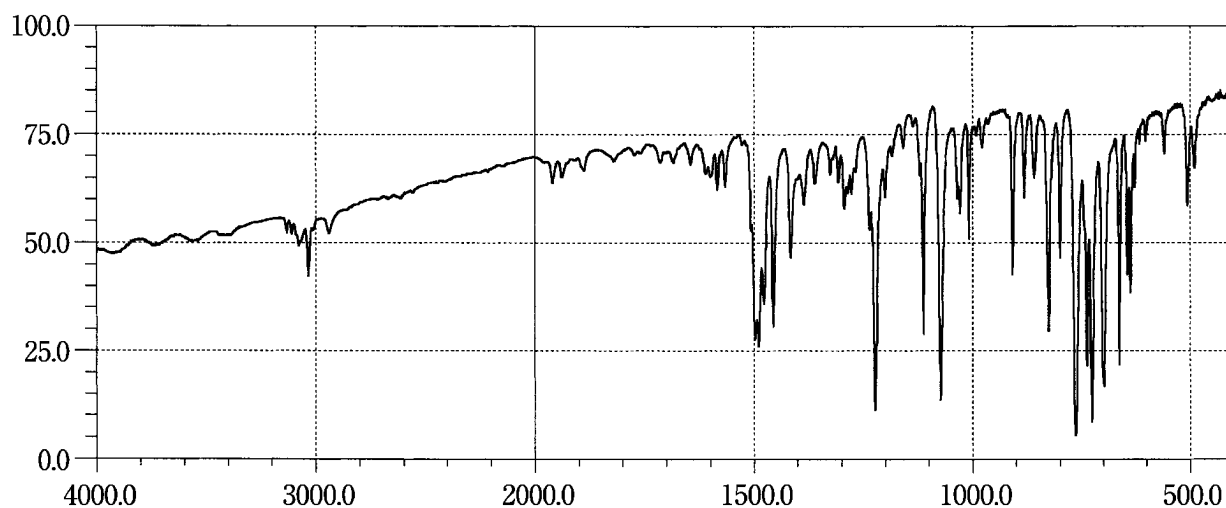
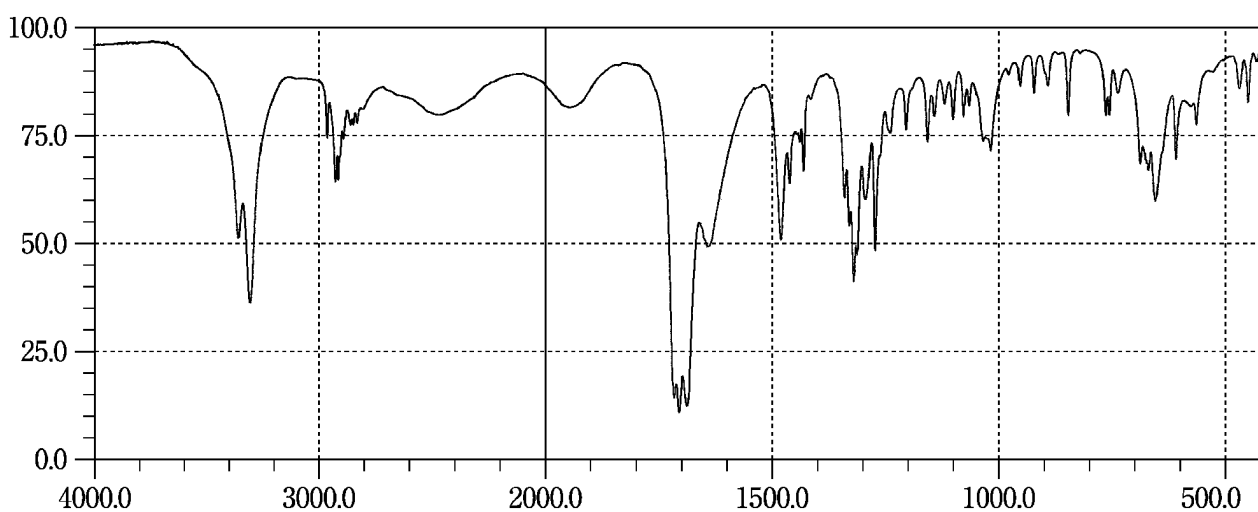
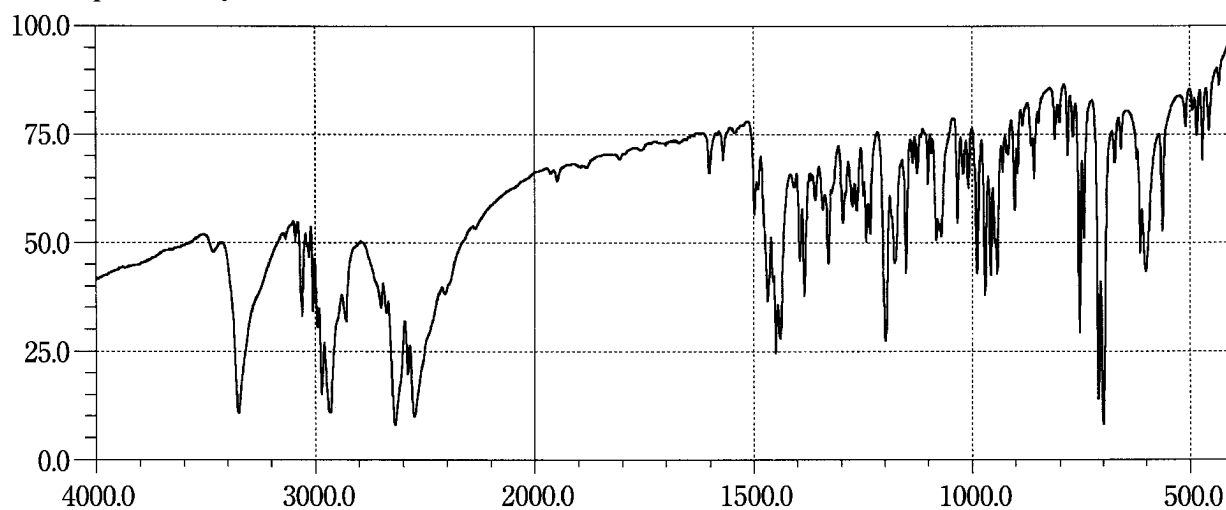


**Bethanechol Chloride**

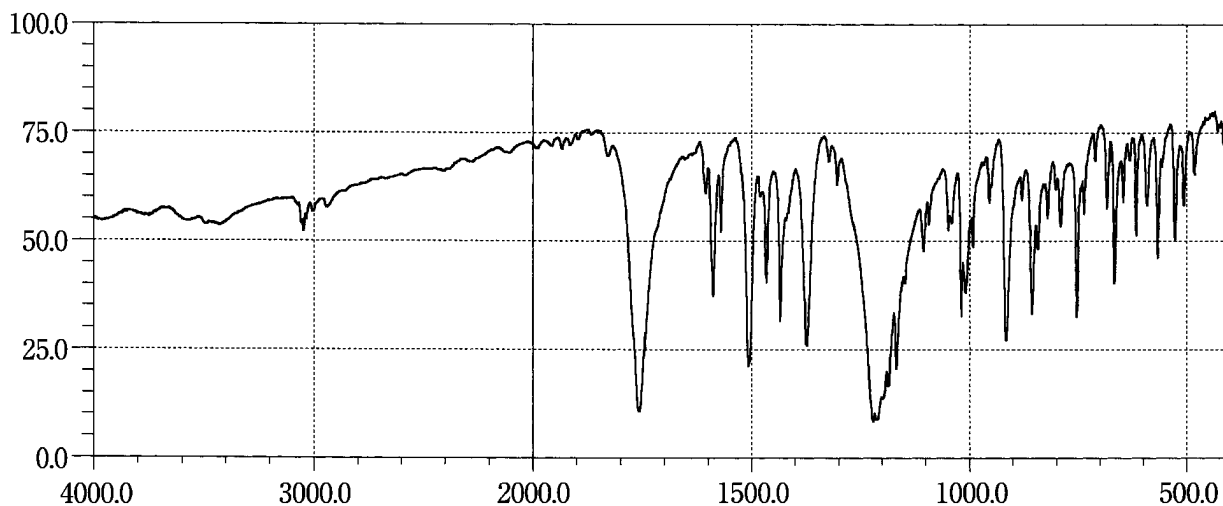


**Bezafibrate**

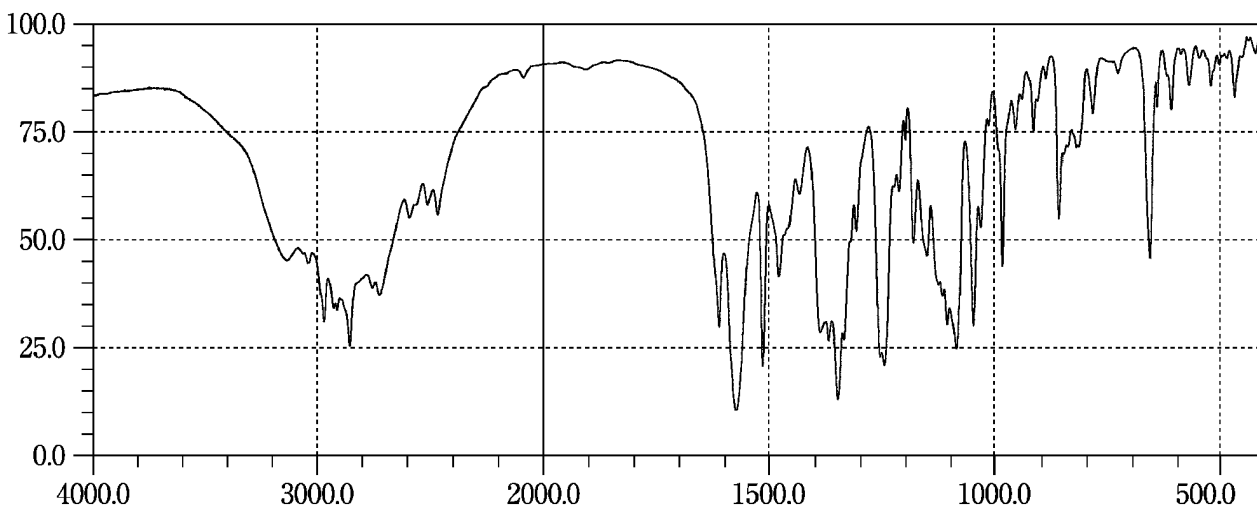


**Bifonazole****Biotin****Biperiden Hydrochloride**

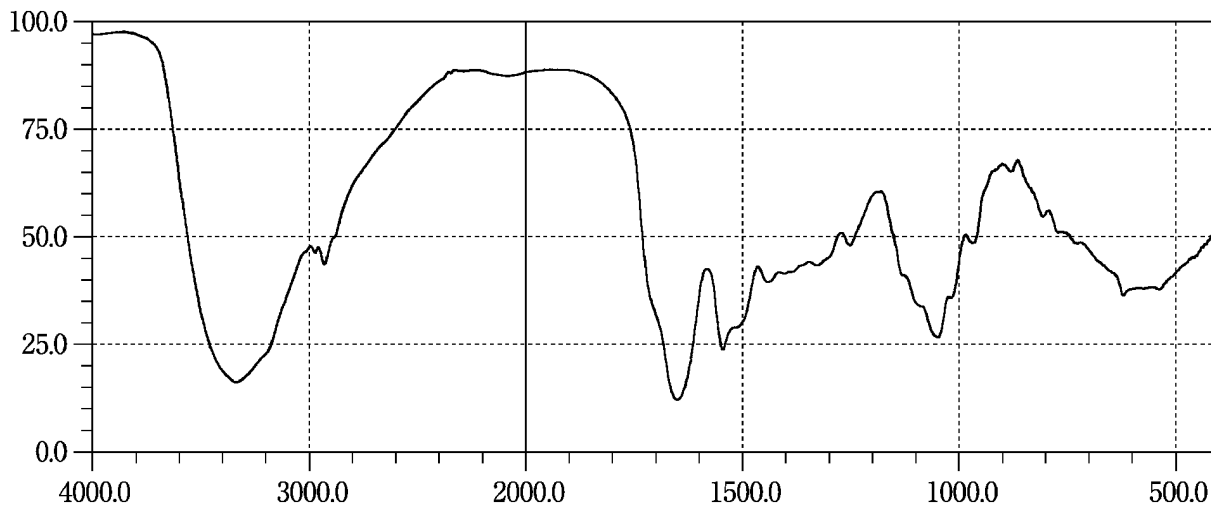
**Bisacodyl**



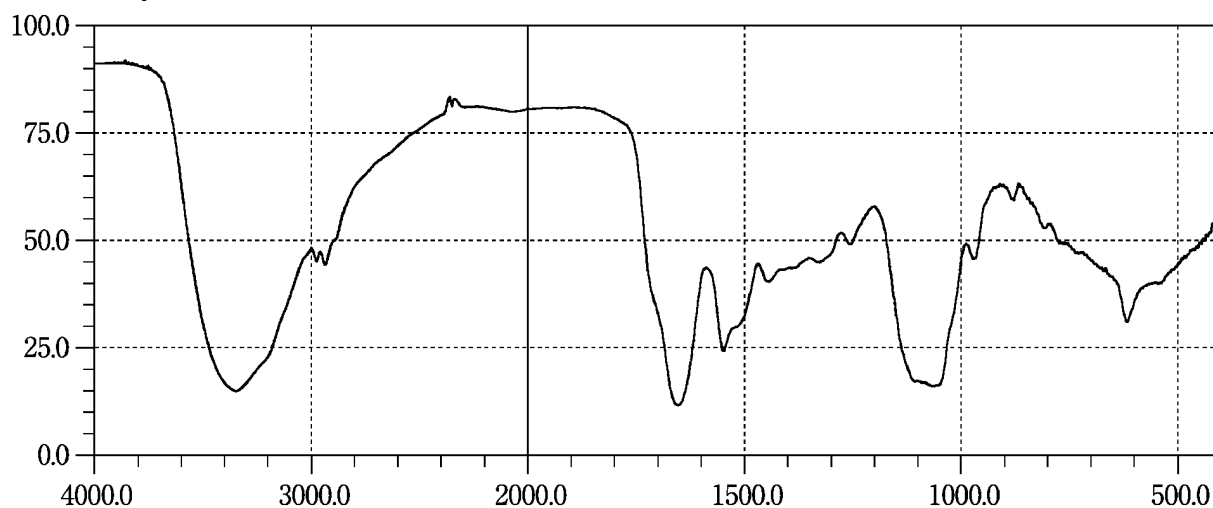
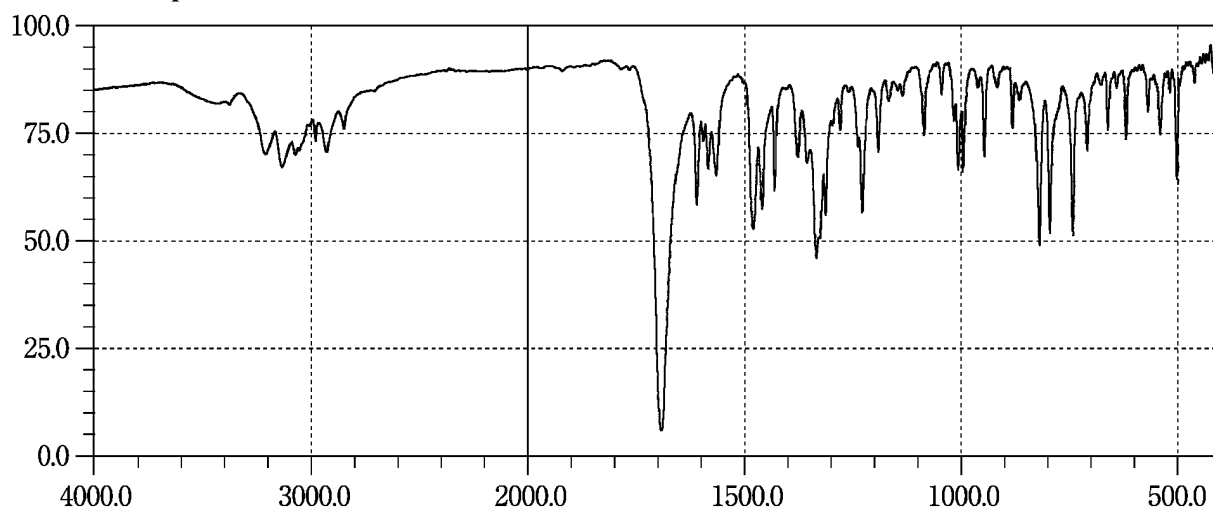
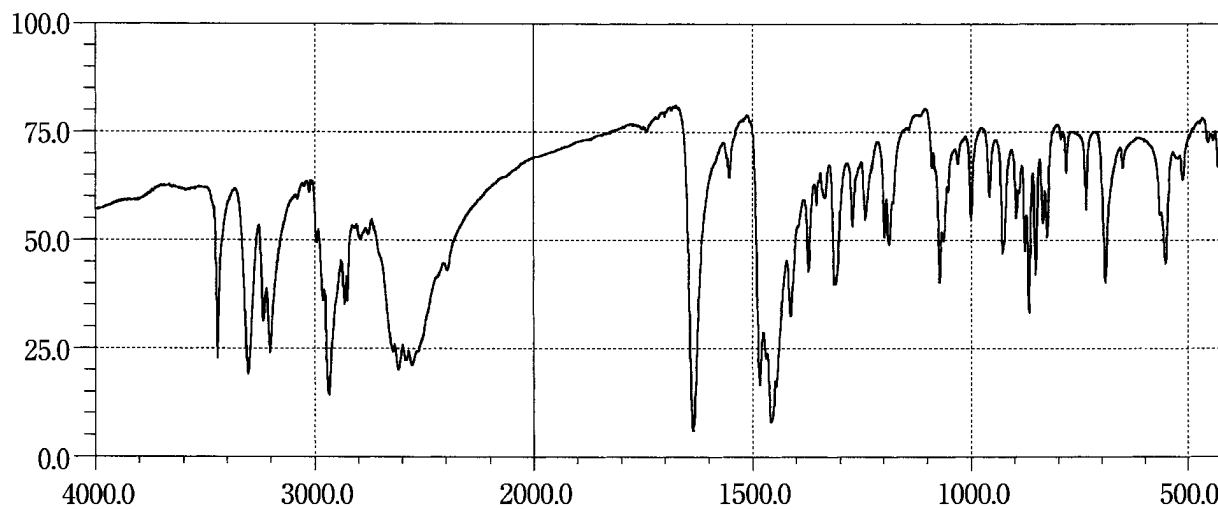
**Bisoprolol Fumarate**

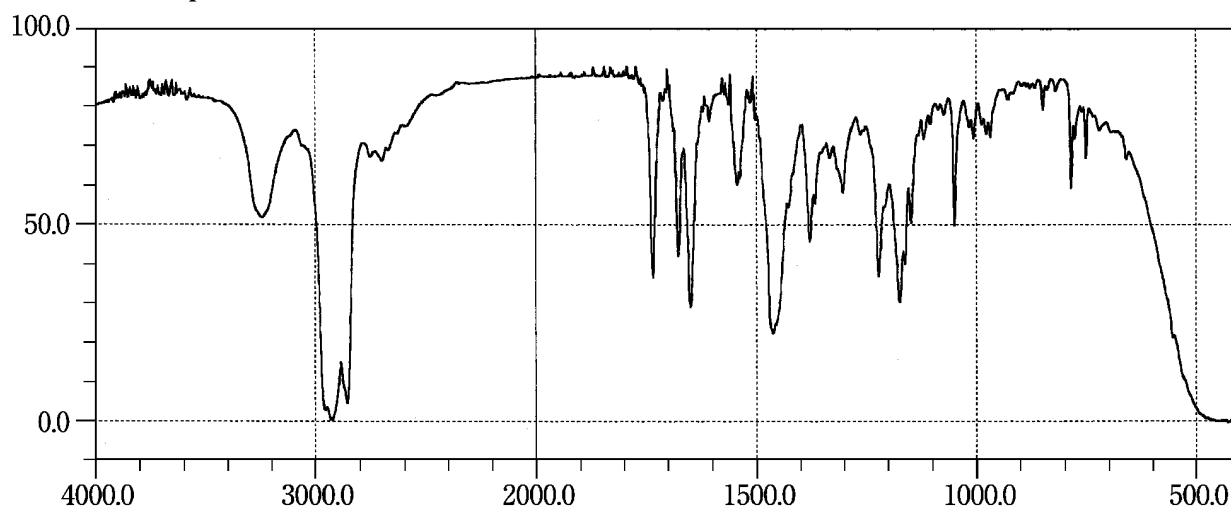
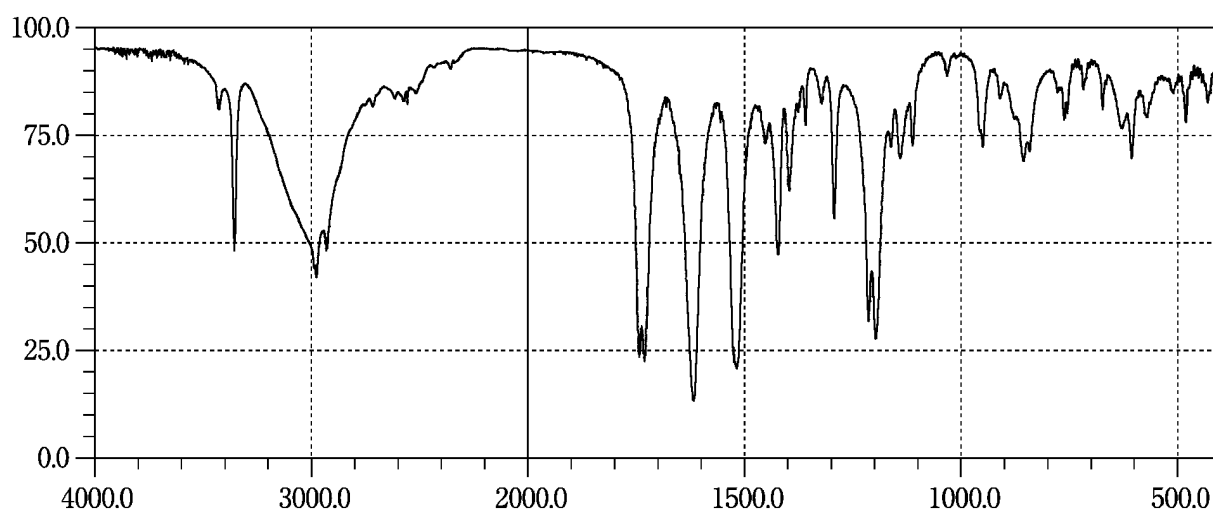
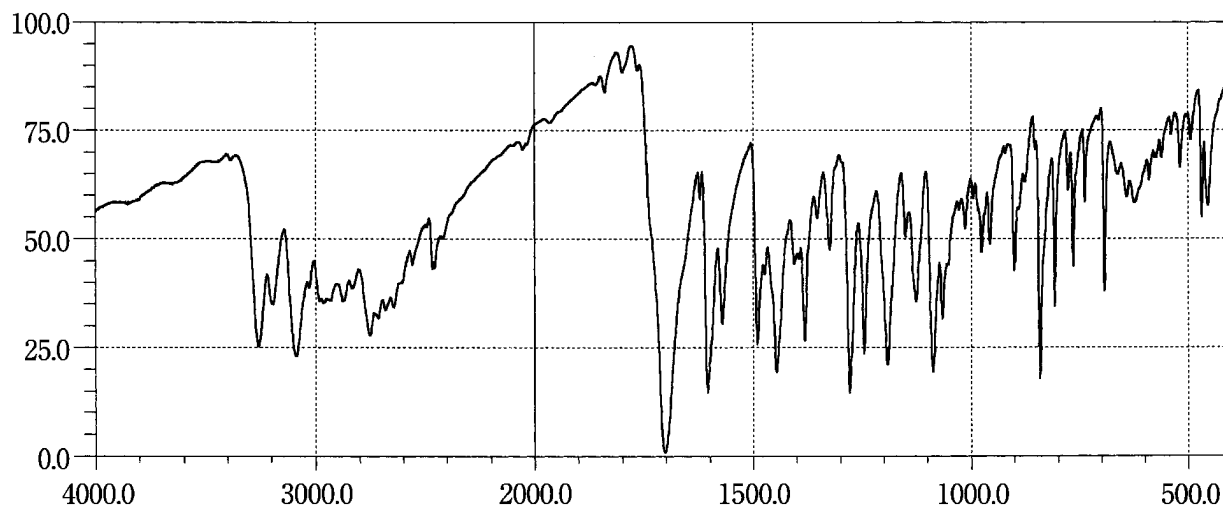


**Bleomycin Hydrochloride**

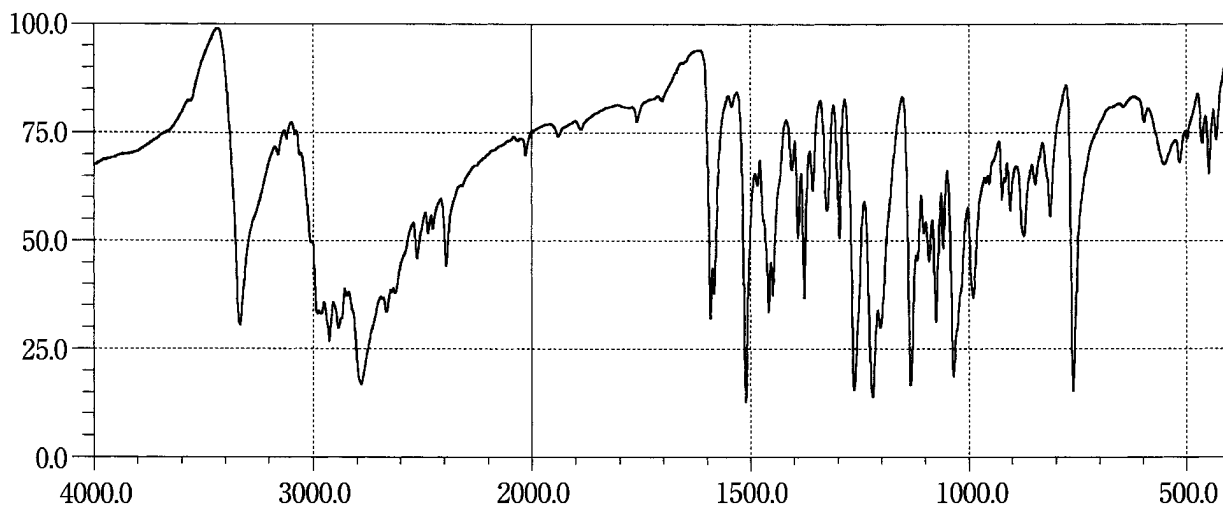




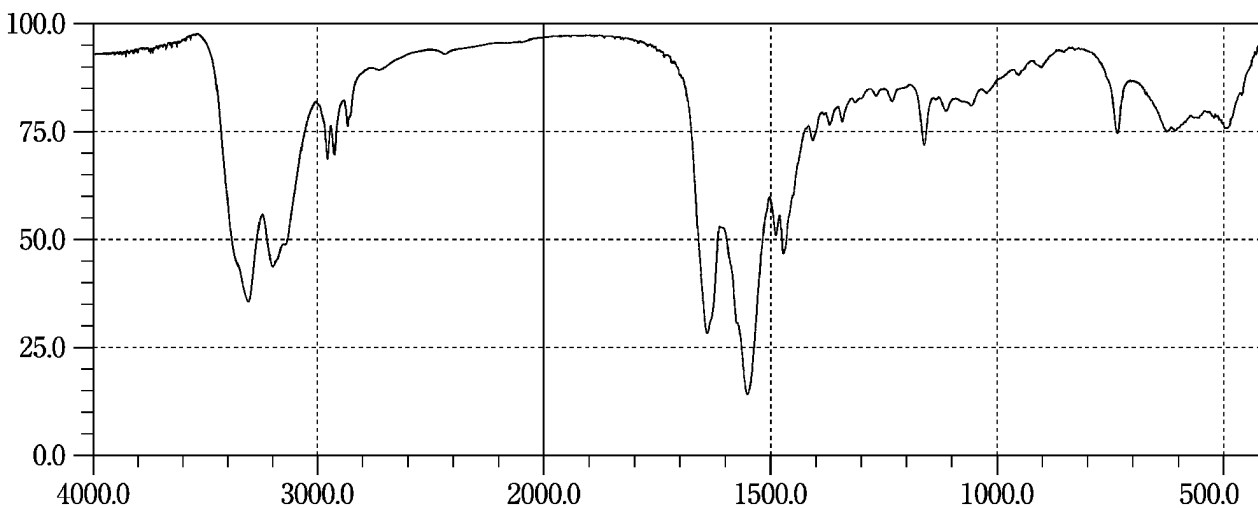
**Bleomycin Sulfate****Bromazepam****Bromhexine Hydrochloride**

**Bromocriptine Mesilate****Bucillamine****Bucumolol Hydrochloride**

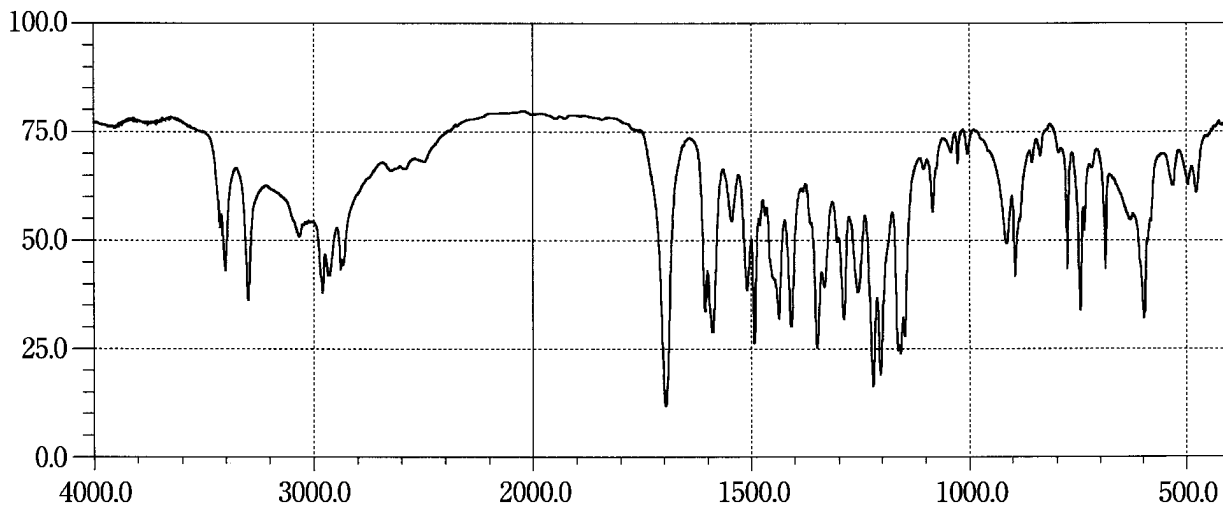
**Bufetolol Hydrochloride**



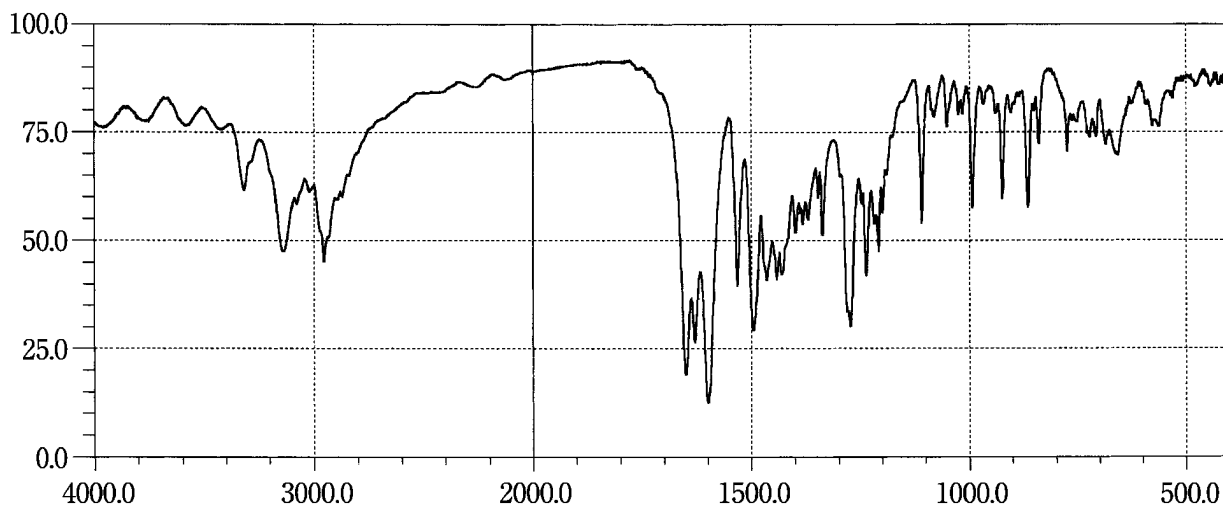
**Buformin Hydrochloride**



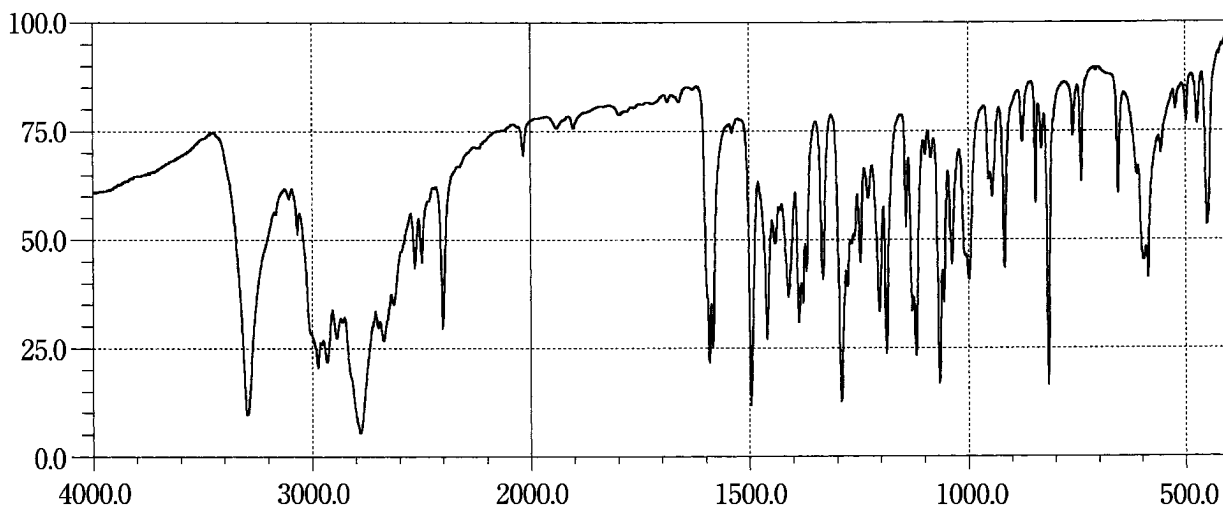
**Bumetanide**



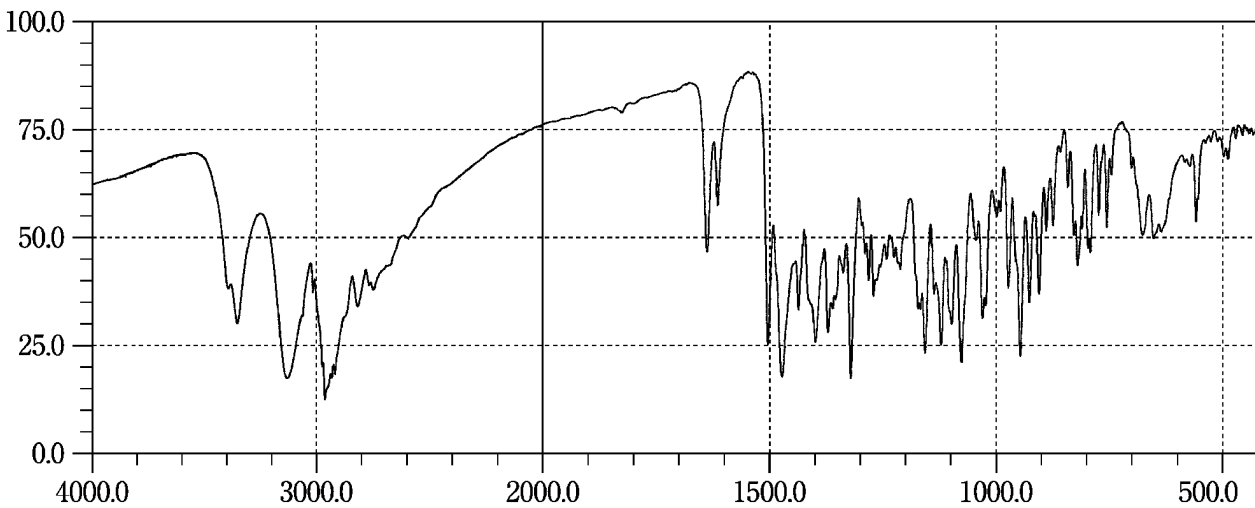
**Bunazosin Hydrochloride**

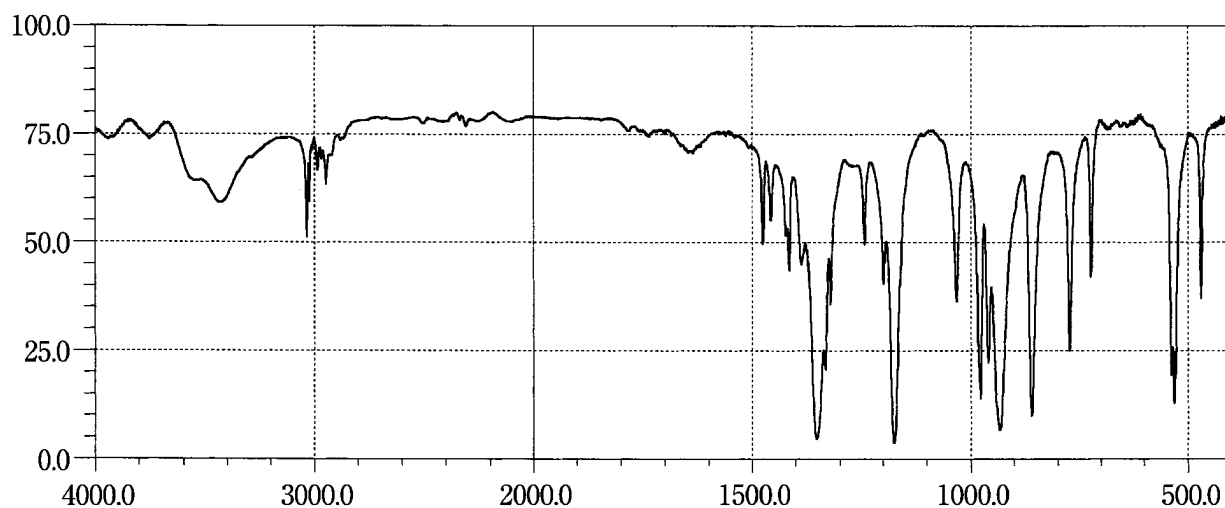
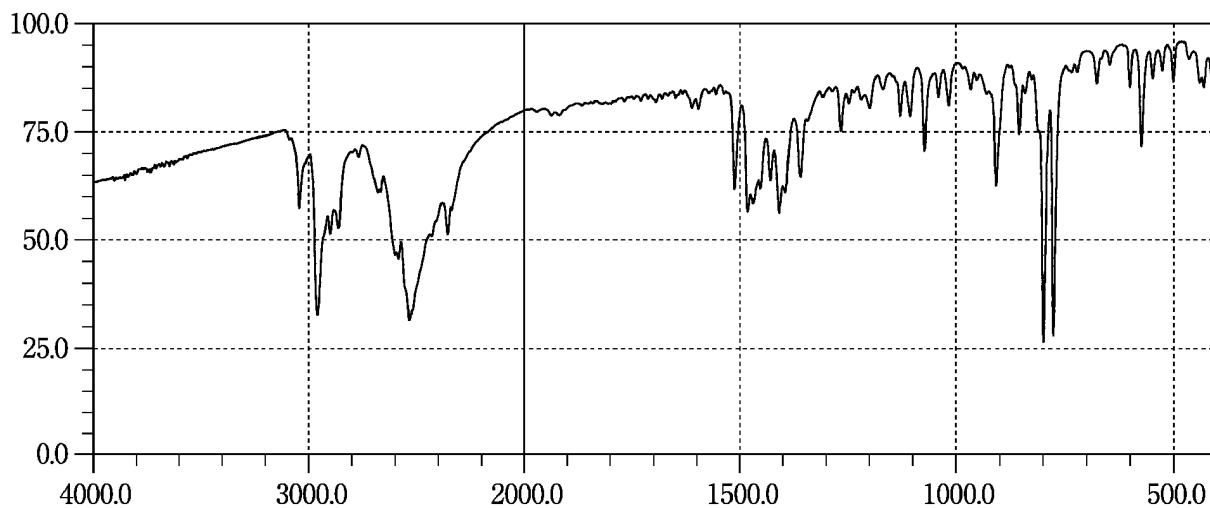
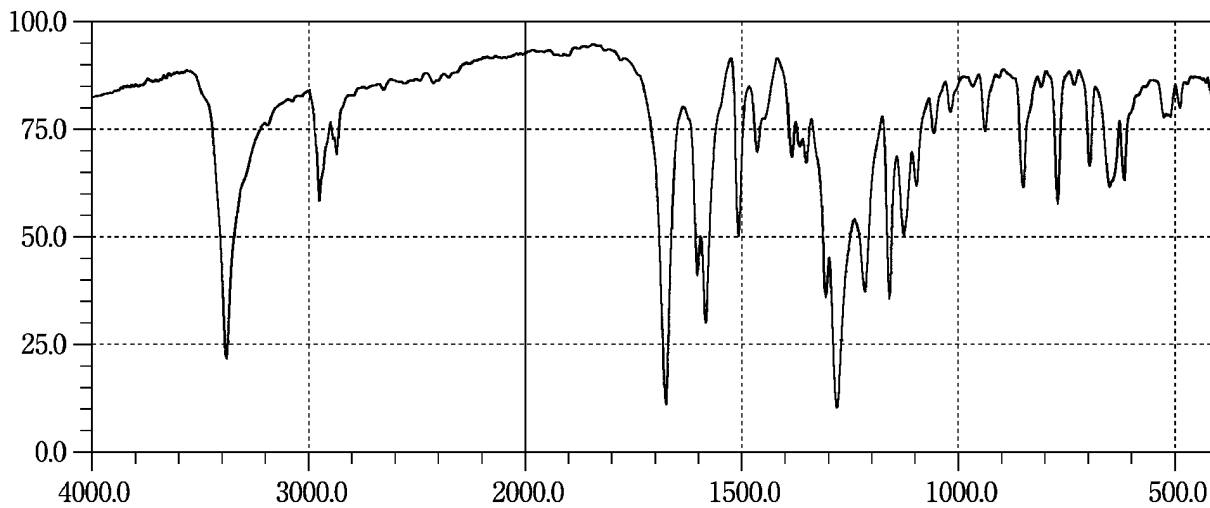


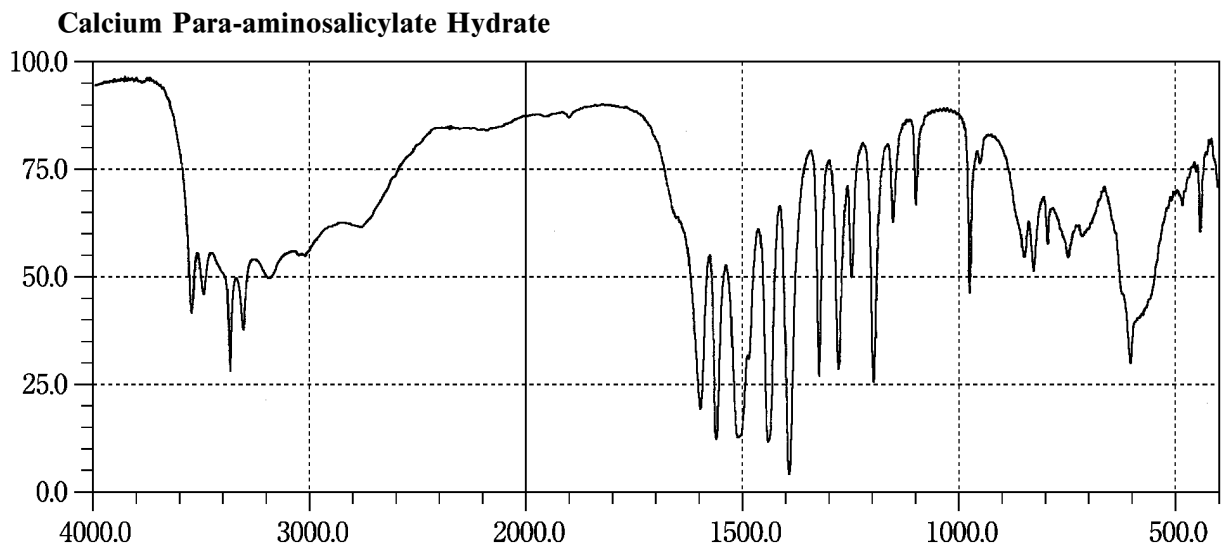
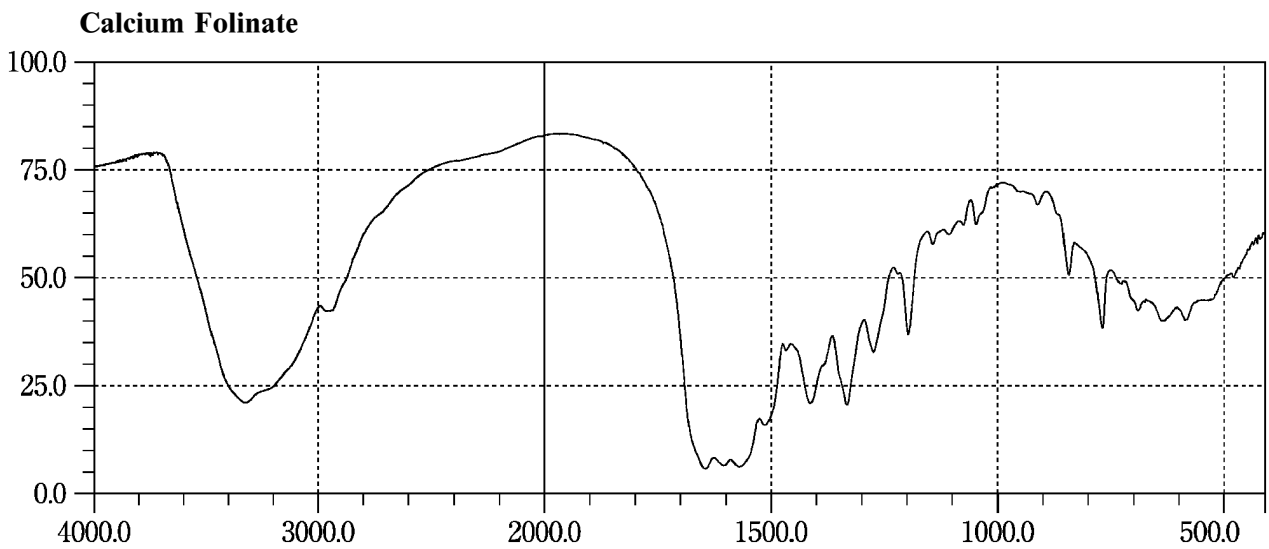
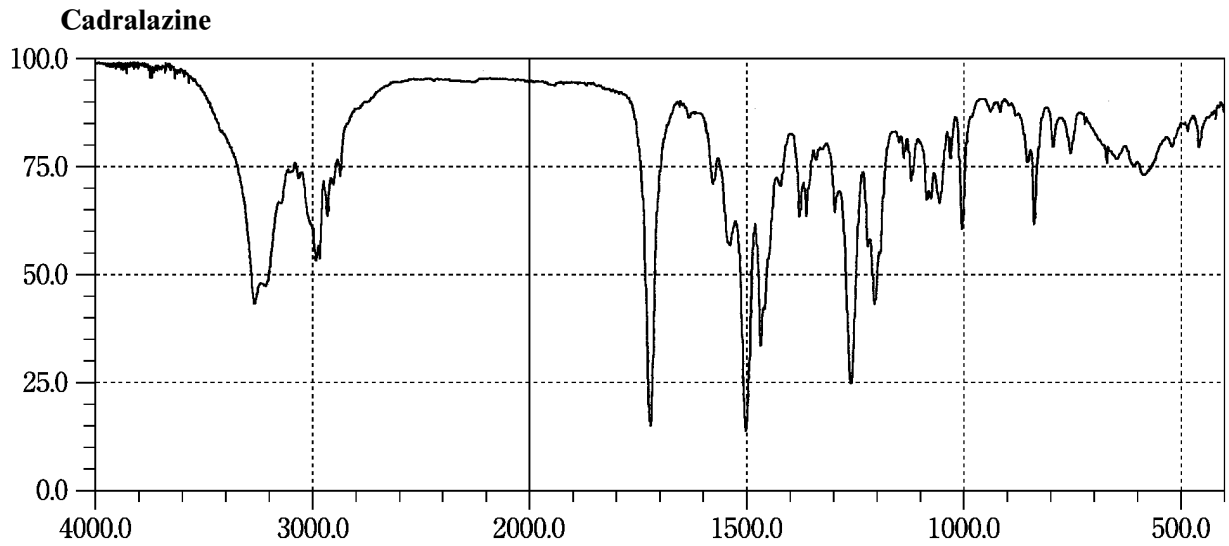
**Bupranolol Hydrochloride**

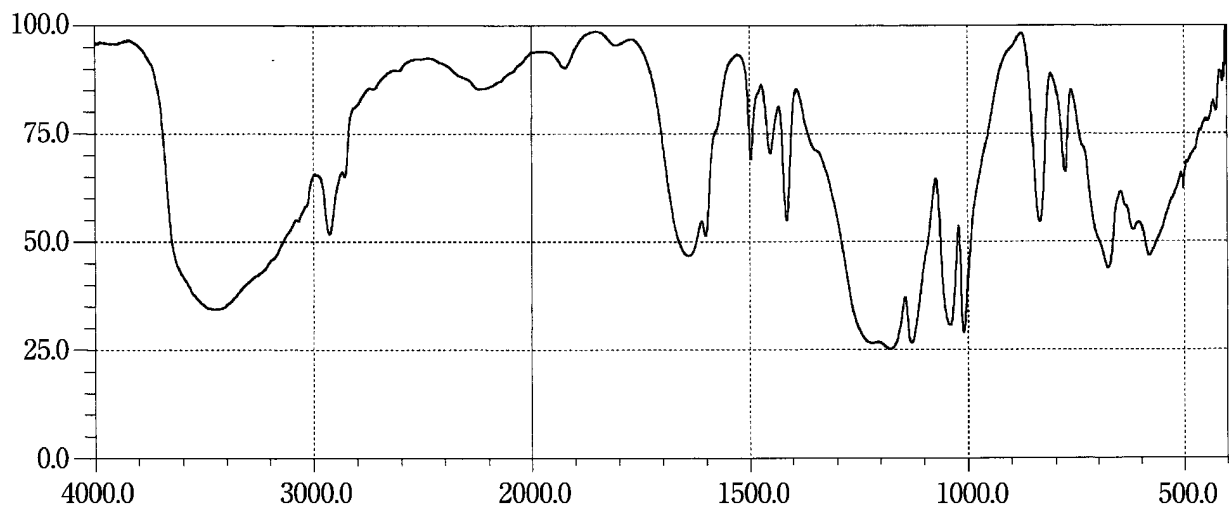
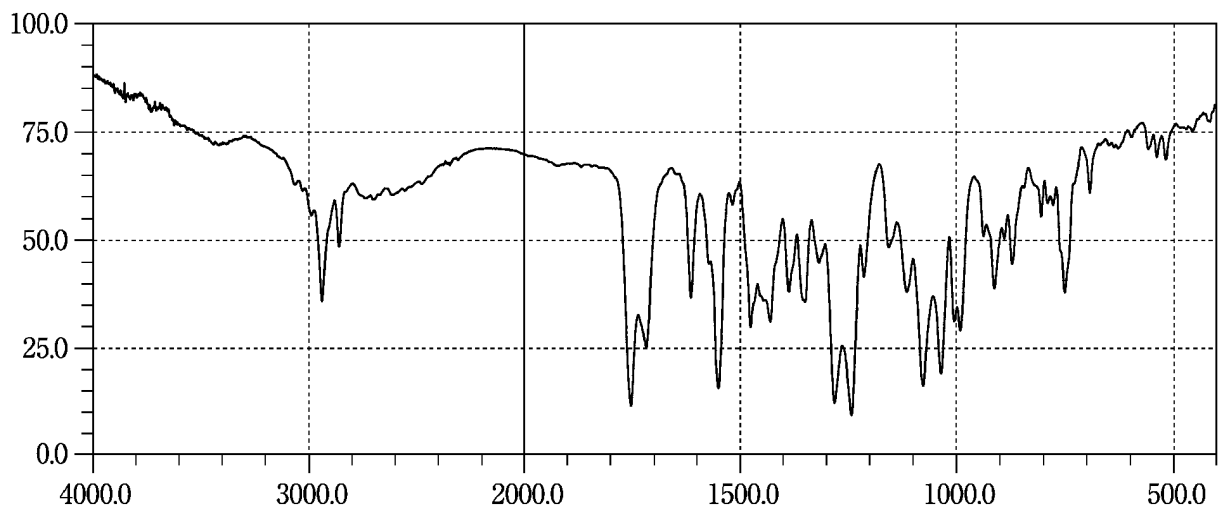
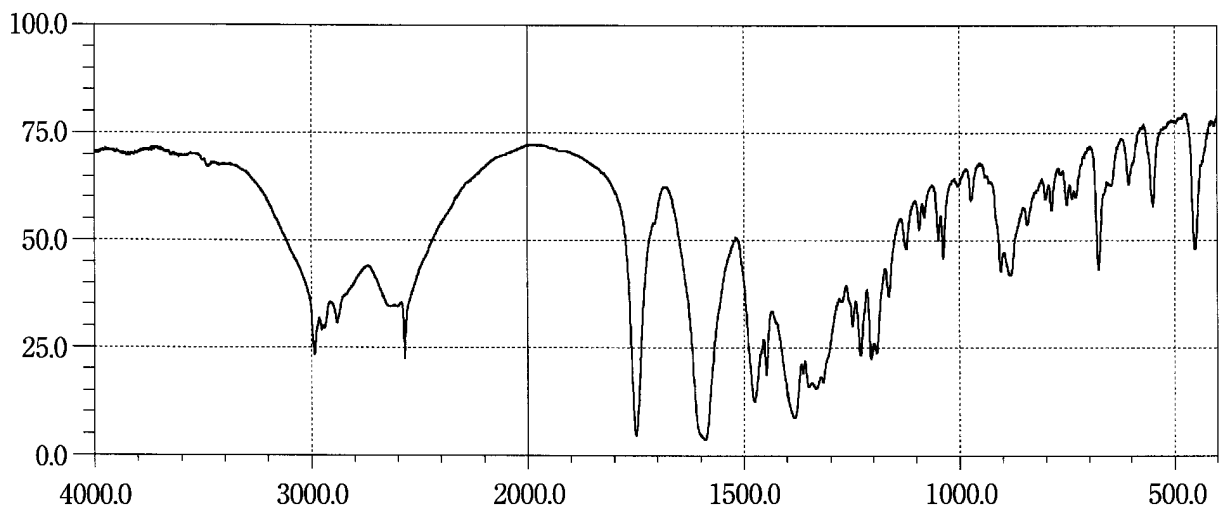


**Buprenorphine Hydrochloride**

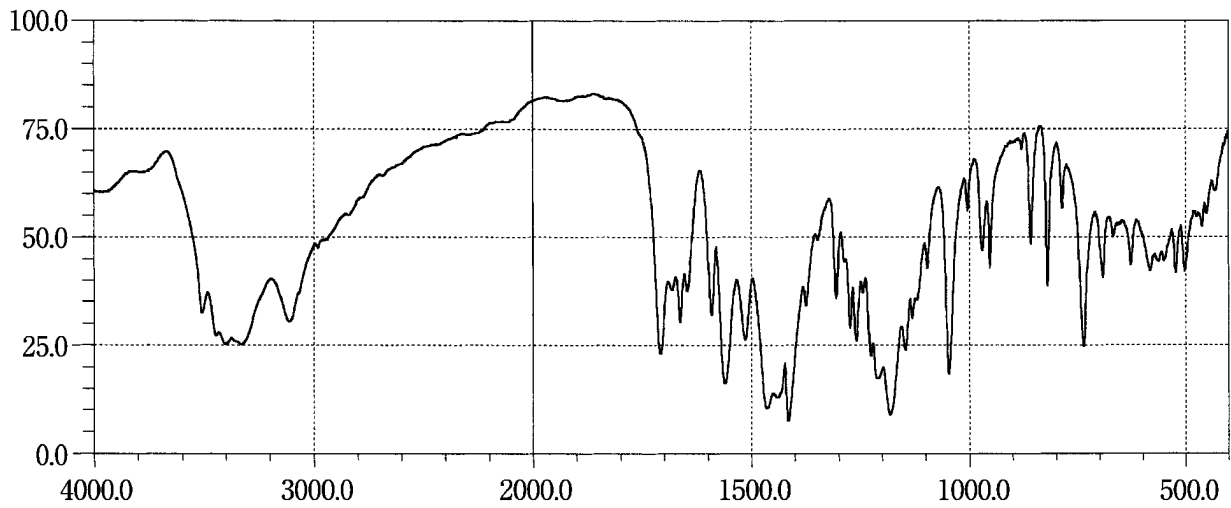


**Busulfan****Butenafine Hydrochloride****Butyl Parahydroxybenzoate**

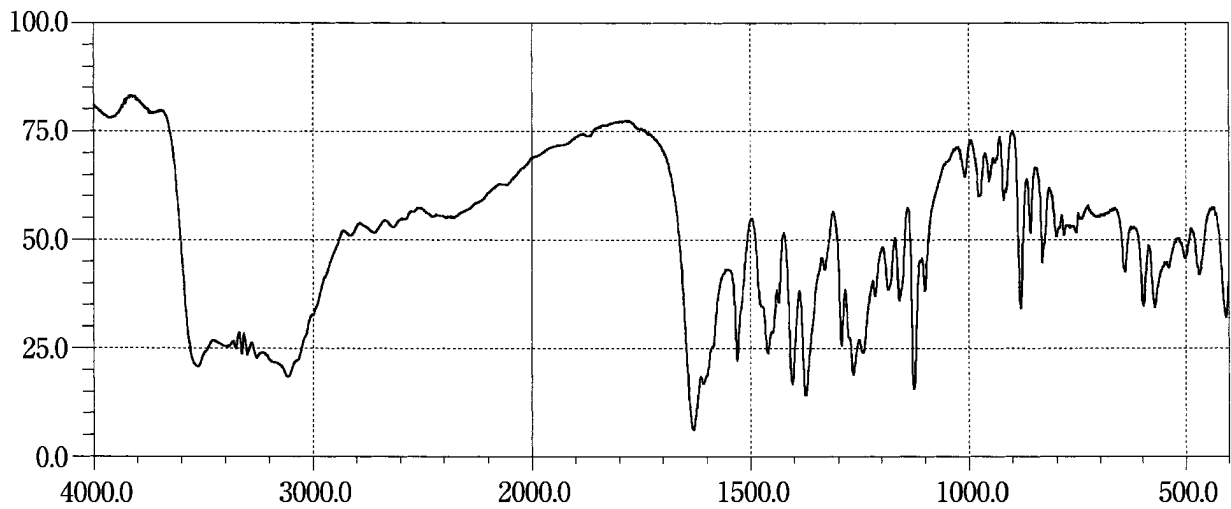


**Calcium Polystyrene Sulfonate****Candesartan Cilexetil****Captopril**

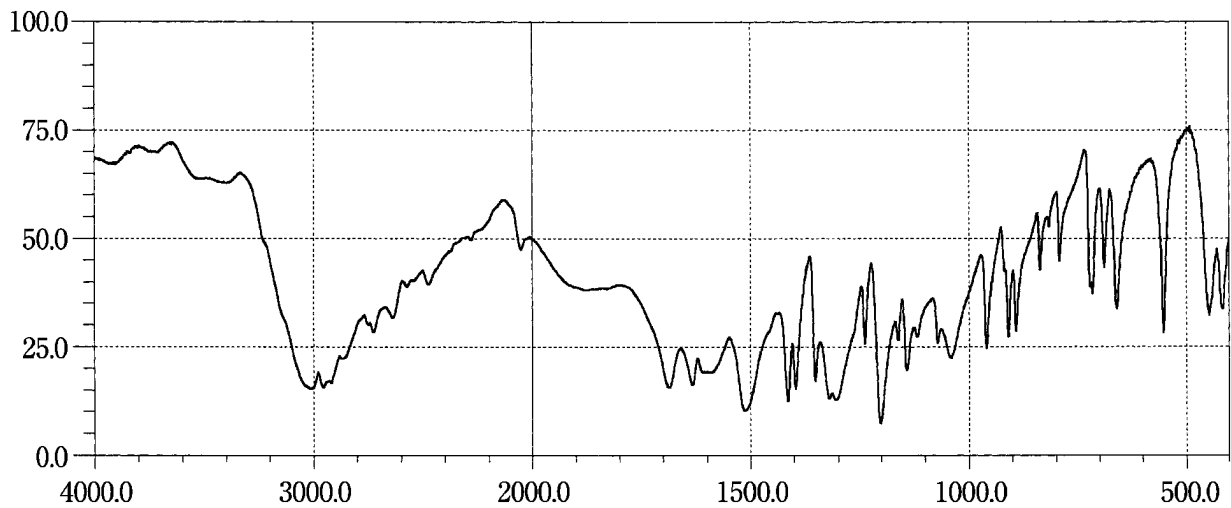
**Carbazochrome Sodium Sulfonate Hydrate**



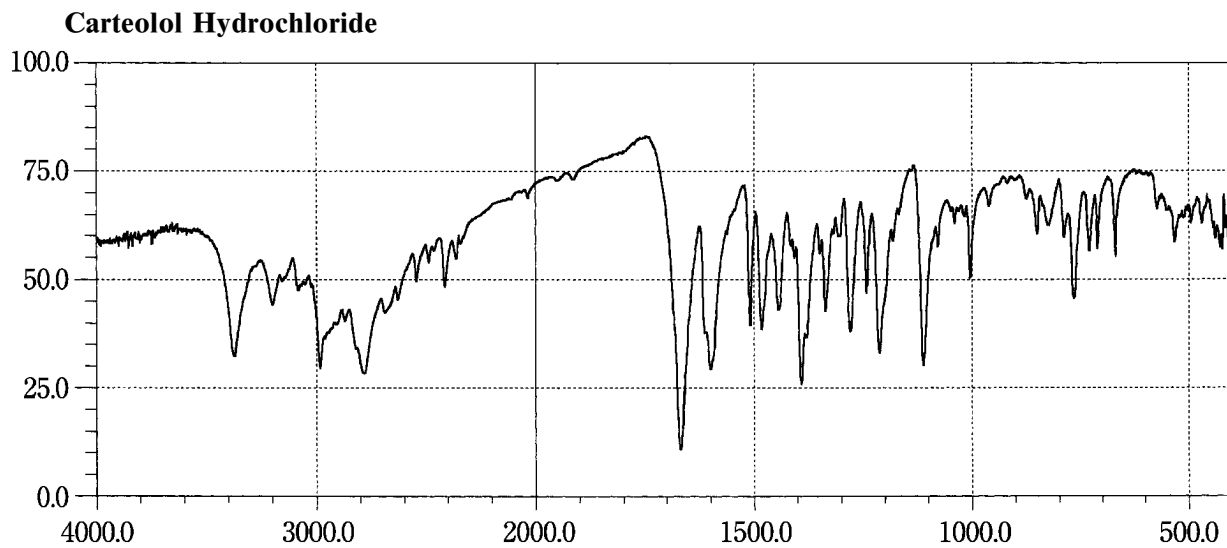
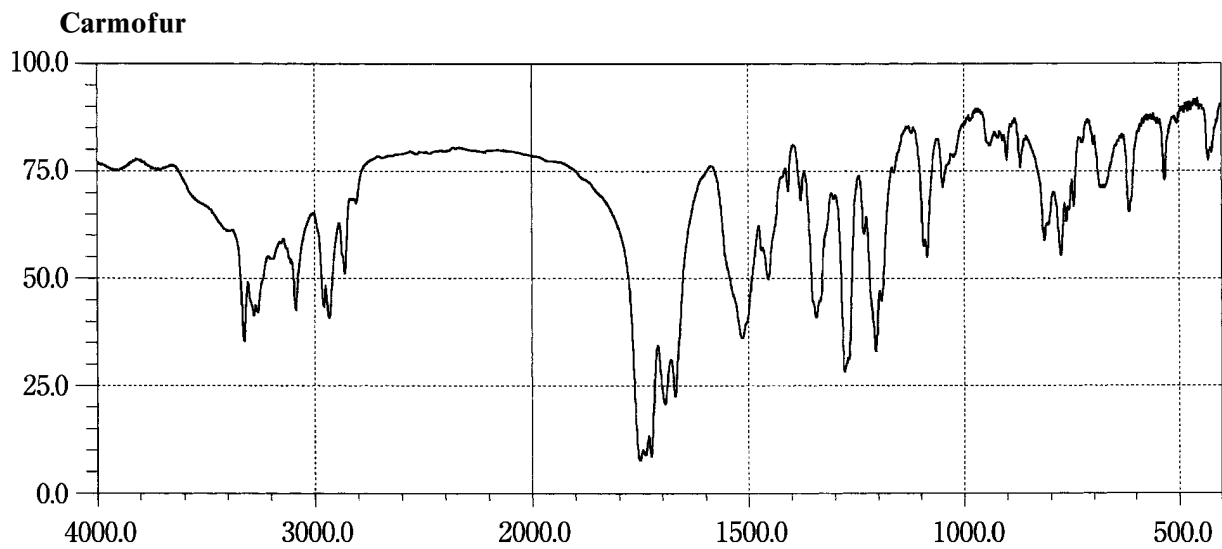
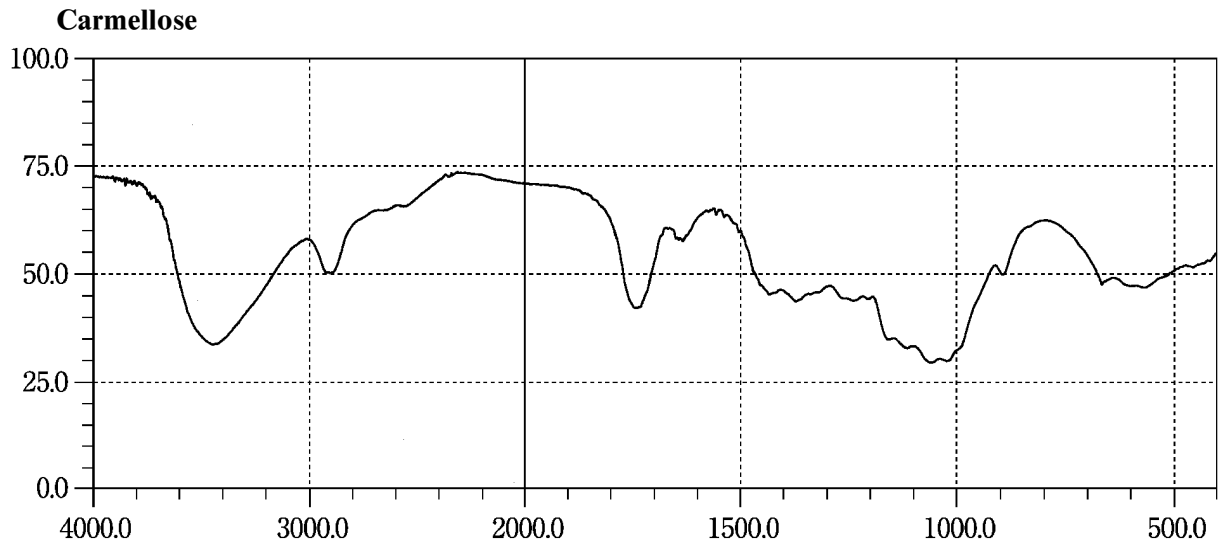
**Carbidopa Hydrate**

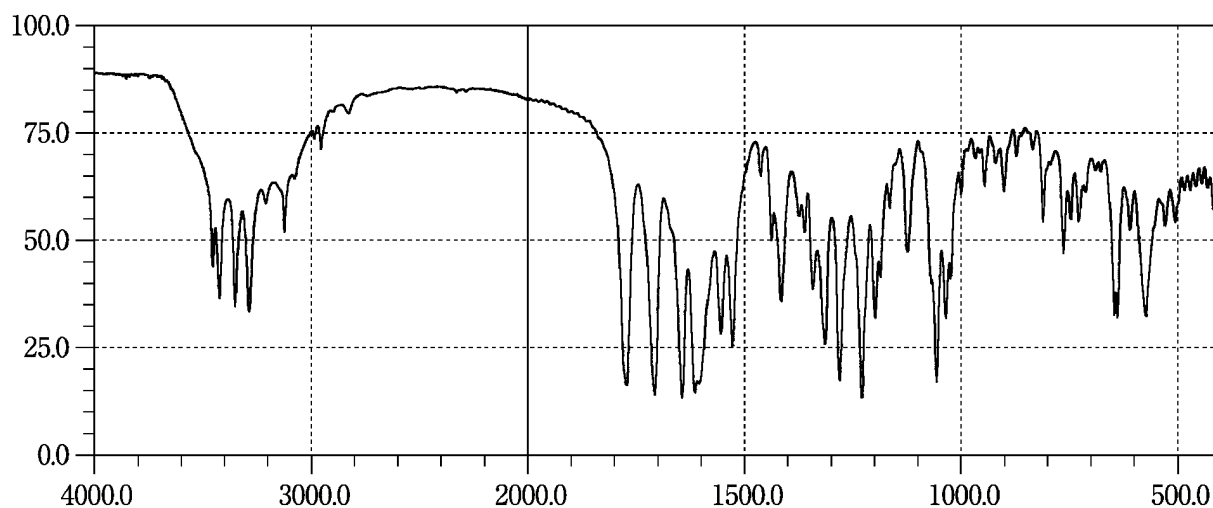
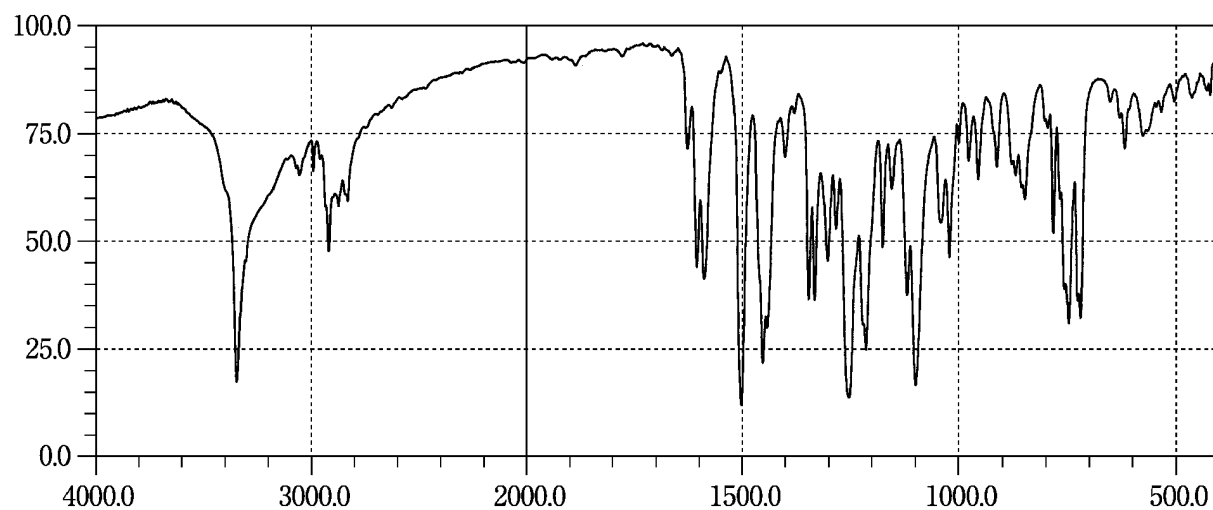
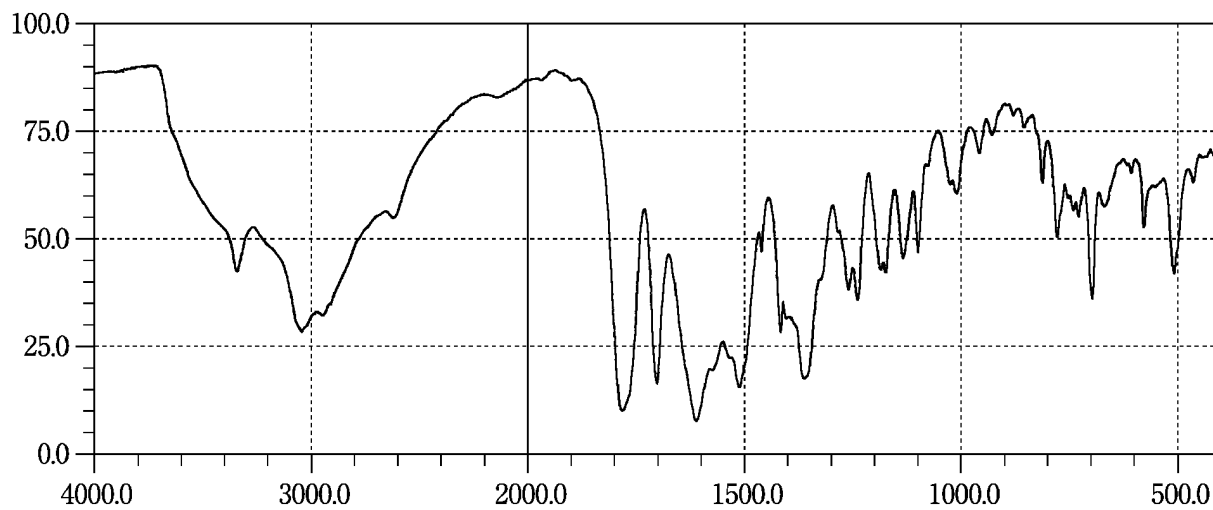


**L-Carbocisteine**

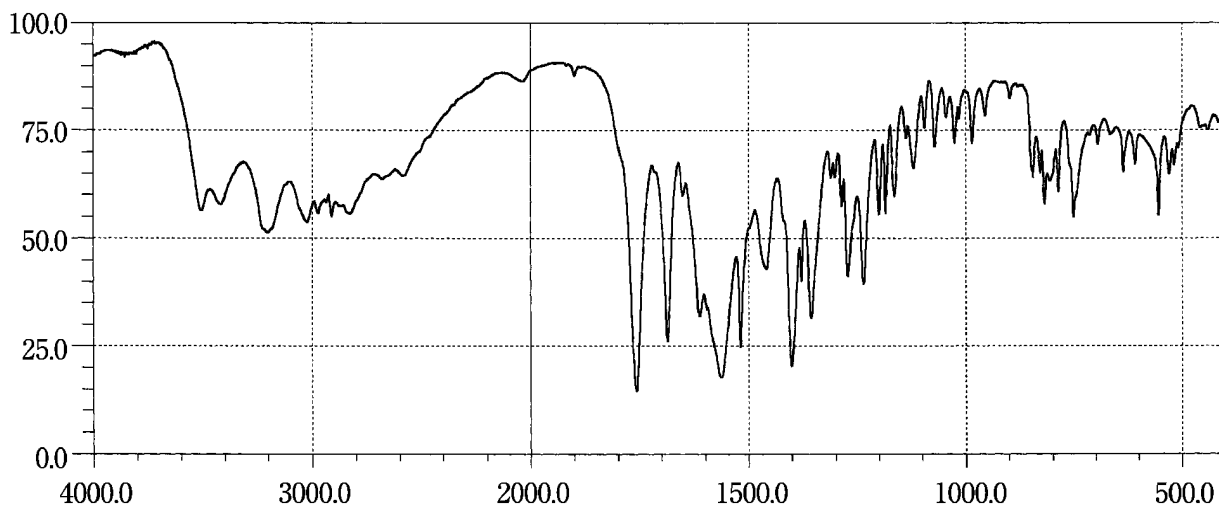




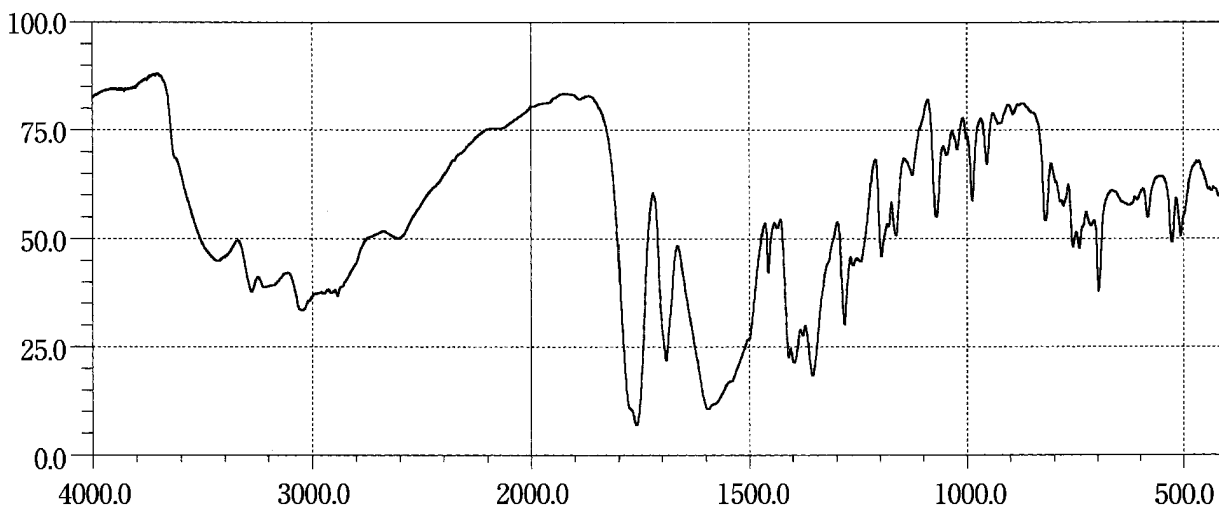


**Carumonam Sodium****Carvedilol****Cefaclor**

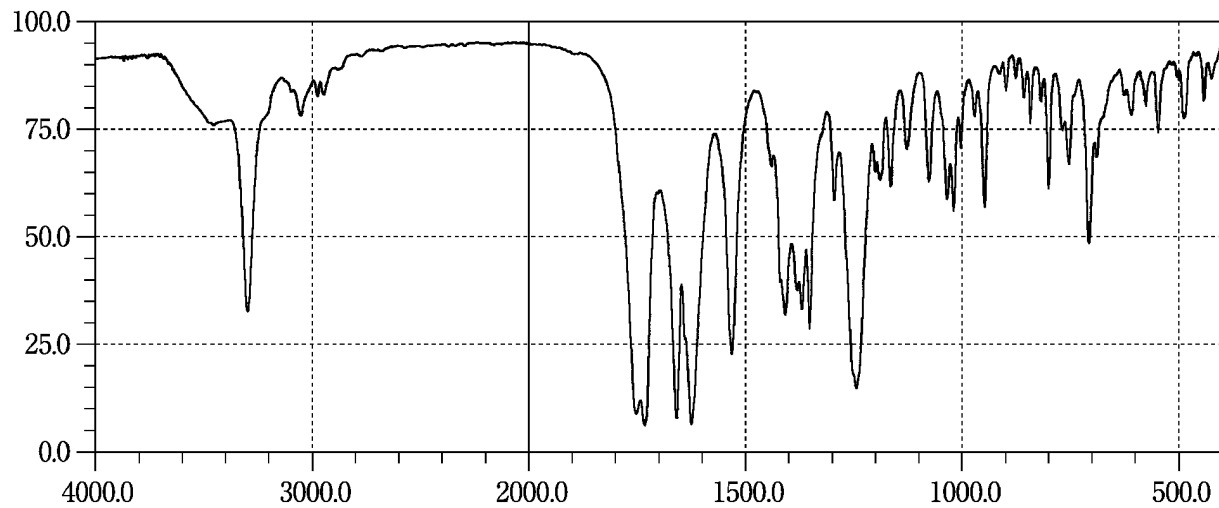
**Cefadroxil**

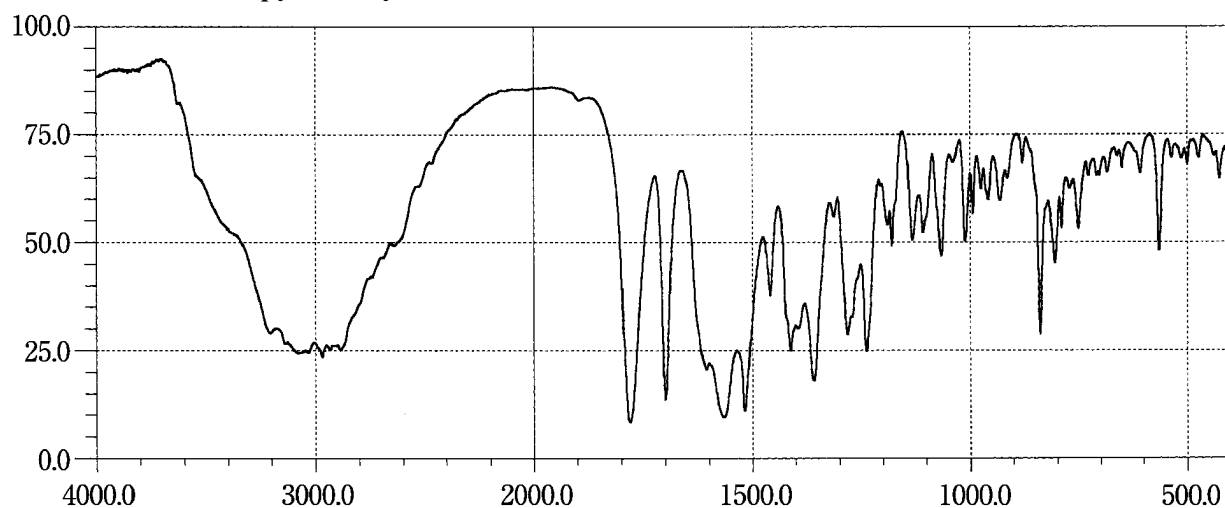
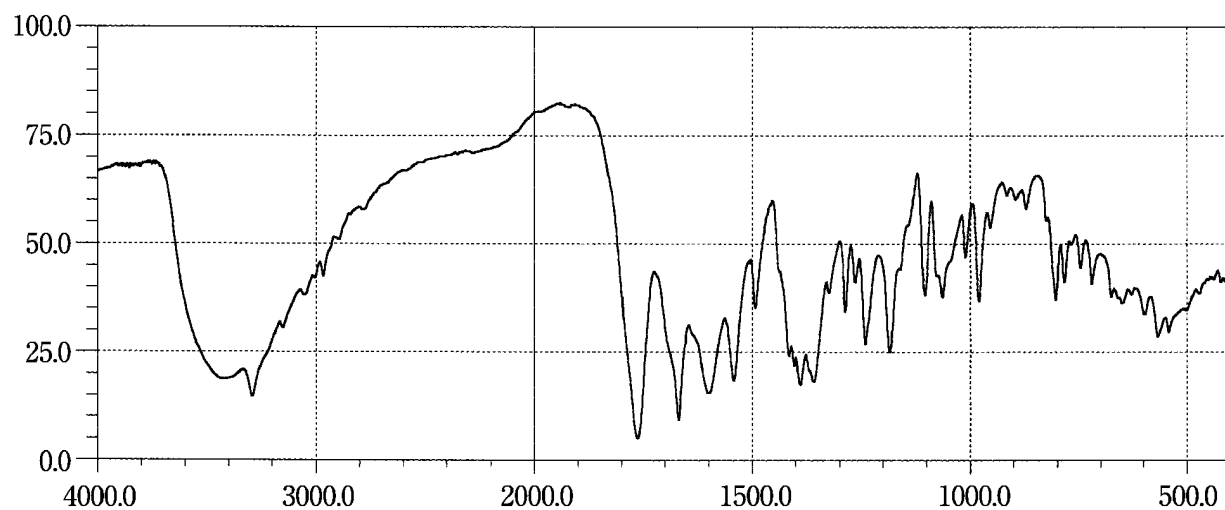
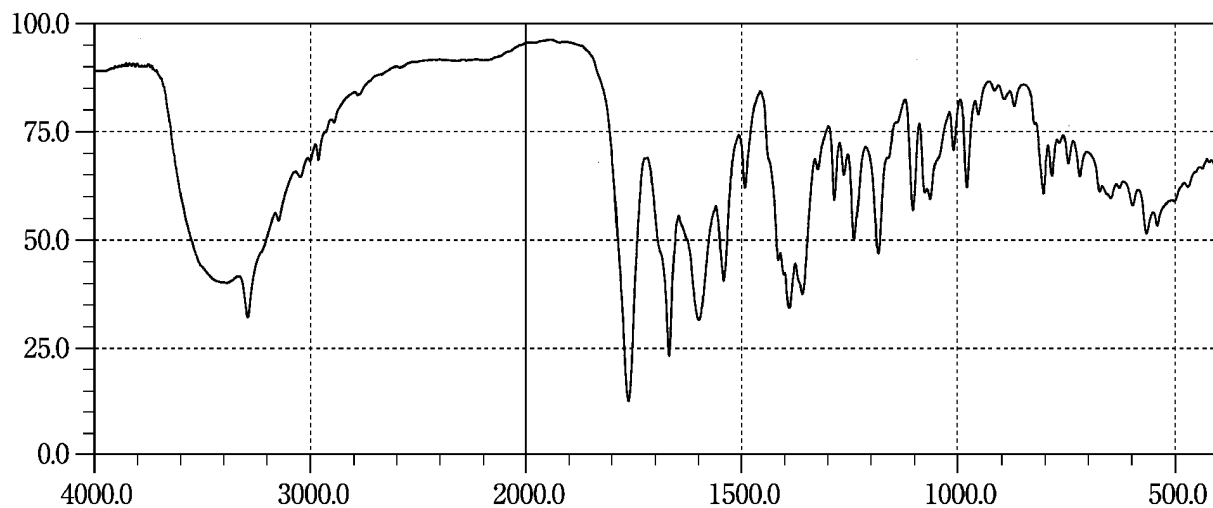


**Cefalexin**

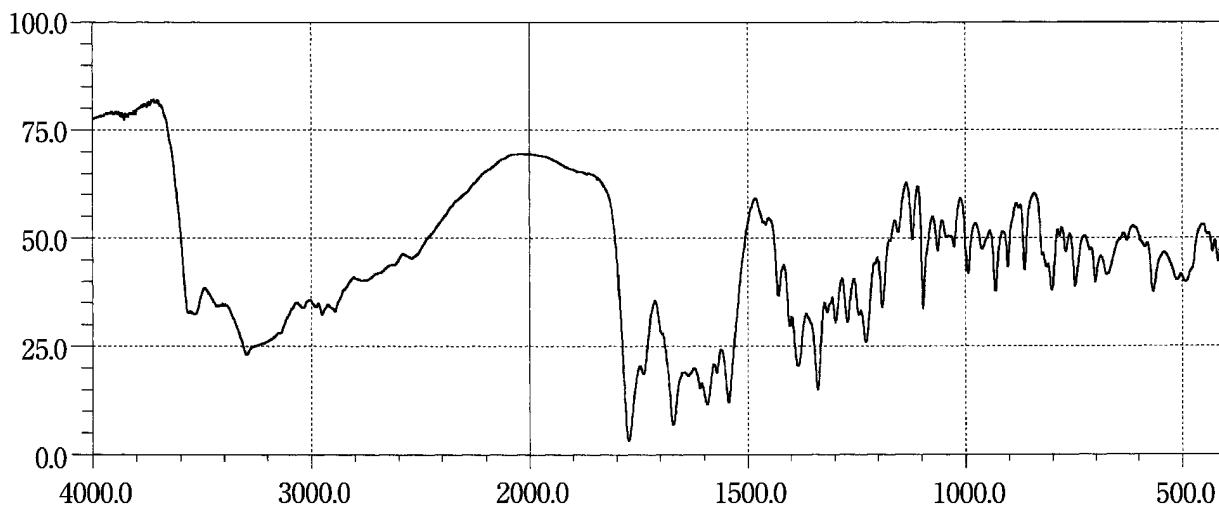


**Cefalotin Sodium**

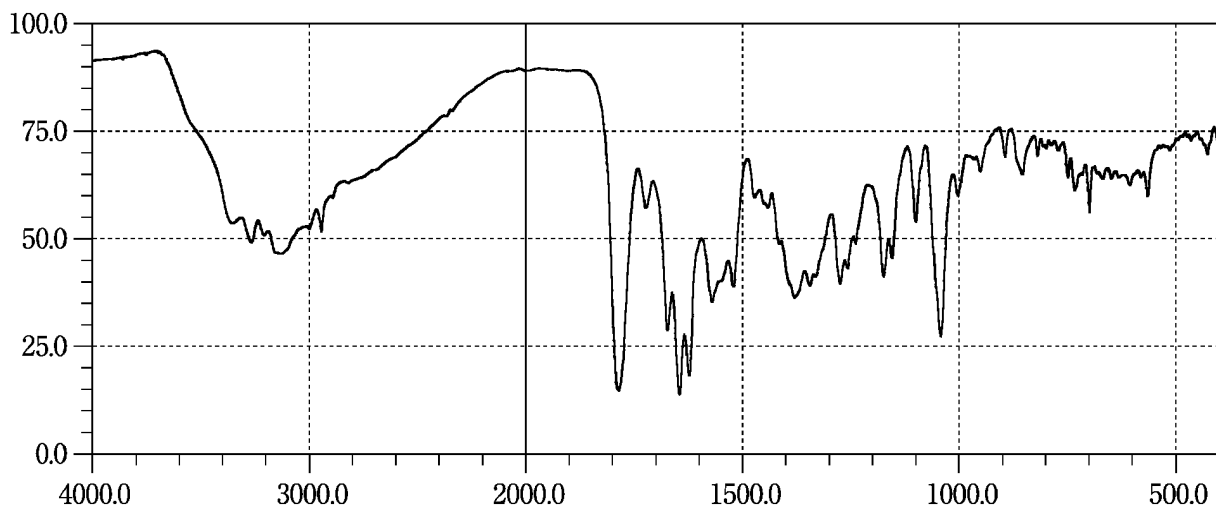


**Cefatrizine Propylene Glycolate****Cefazolin Sodium****Cefazolin Sodium Hydrate**

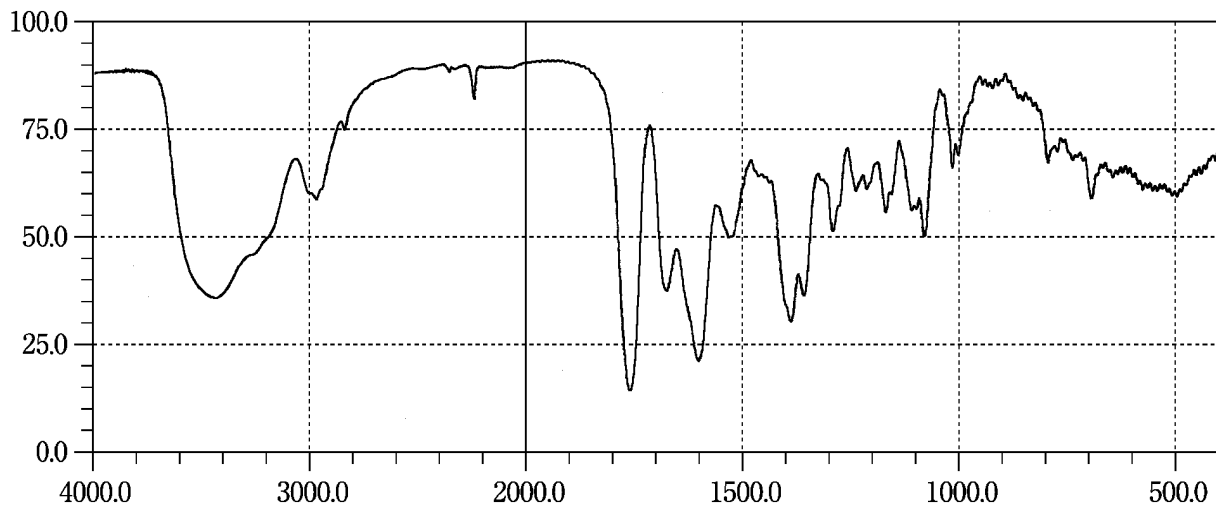
**Cefixime Hydrate**

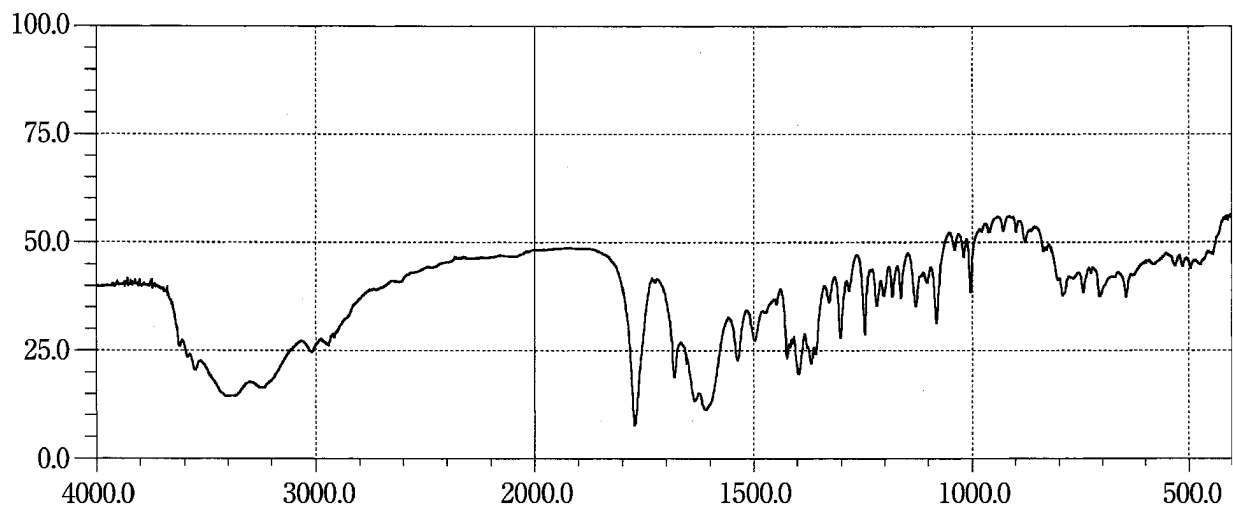
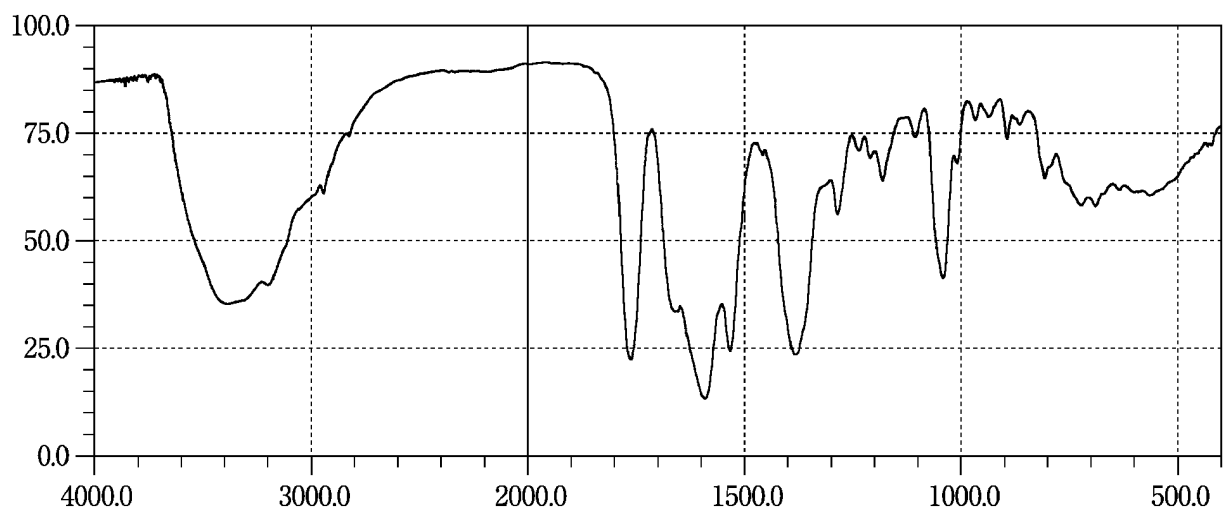
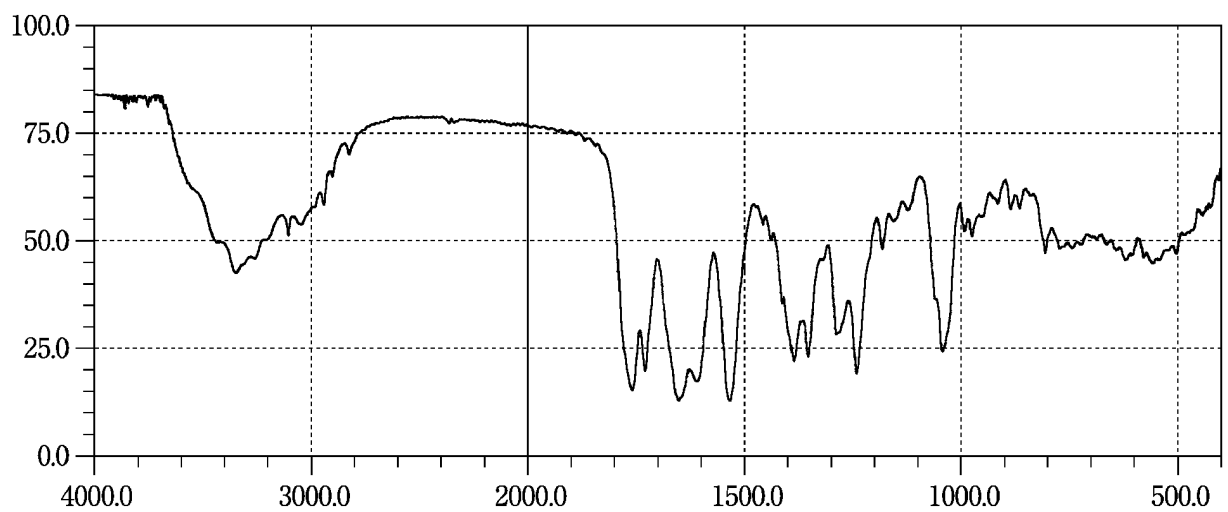


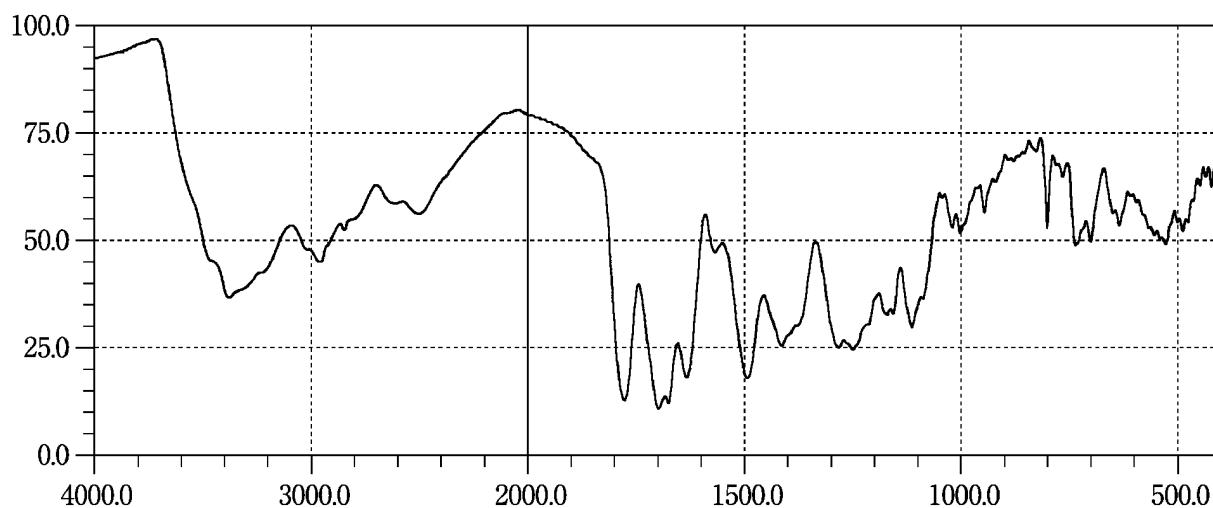
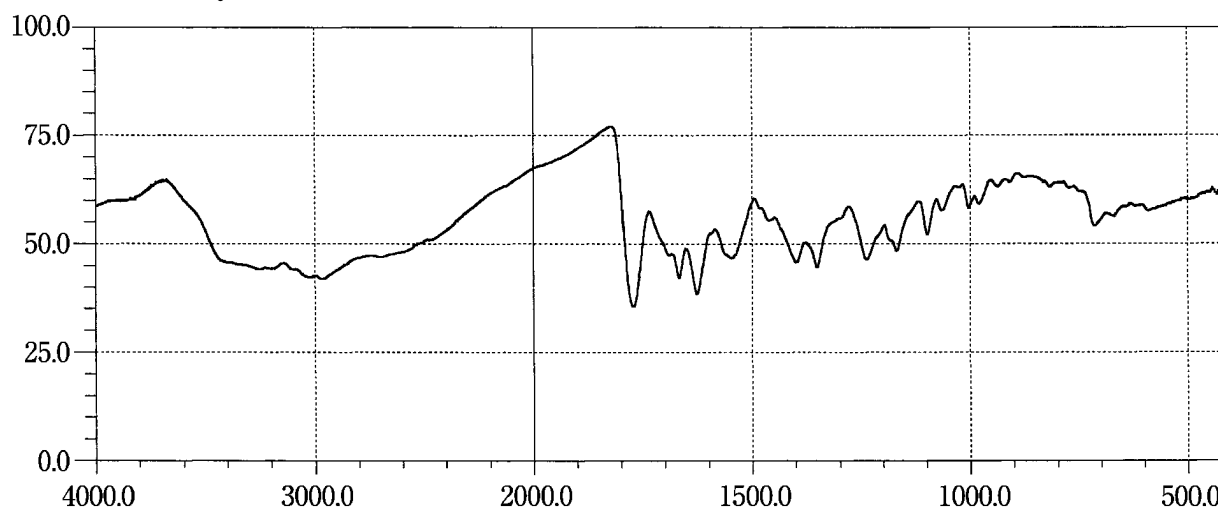
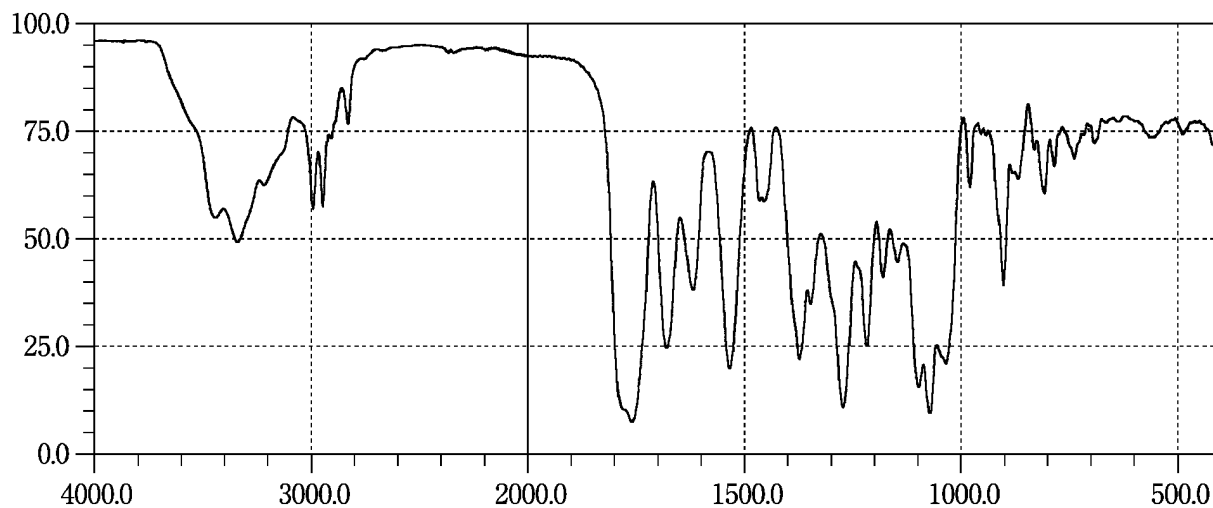
**Cefmenoxime Hydrochloride**



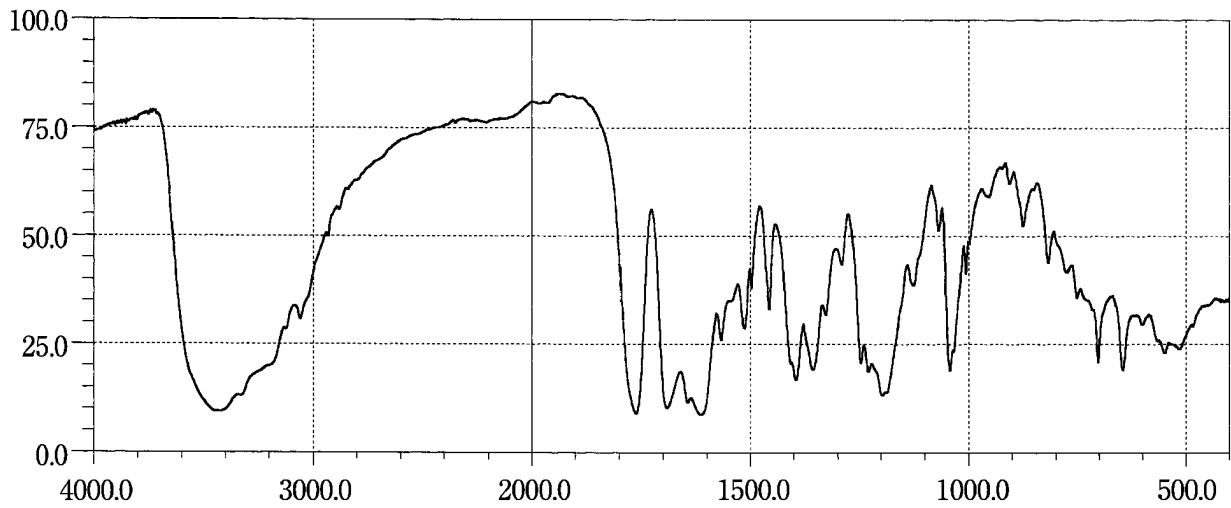
**Cefmetazole Sodium**



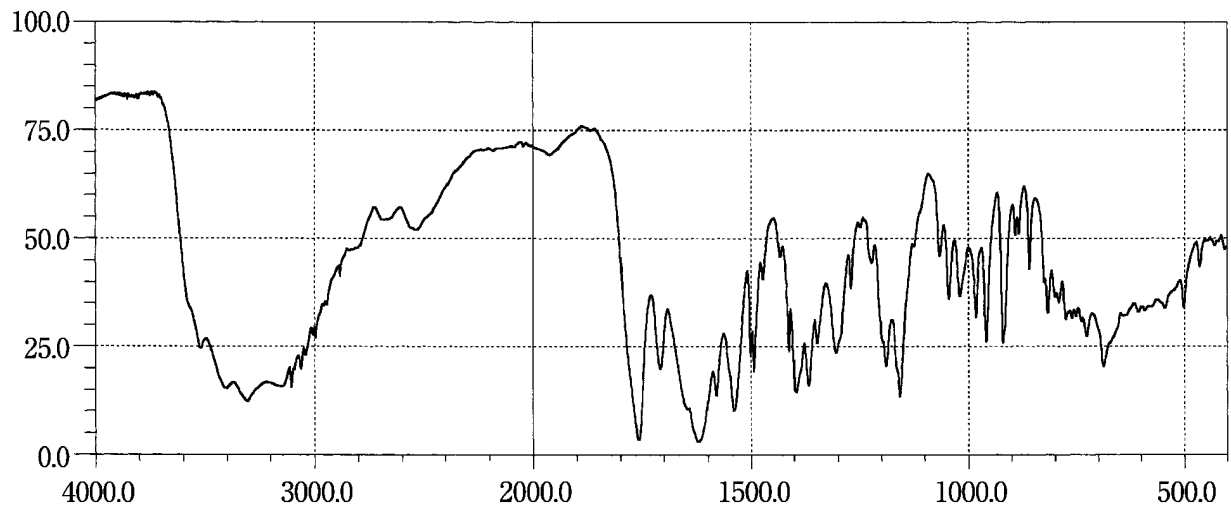
**Cefminox Sodium Hydrate****Cefodizime Sodium****Cefotaxime Sodium**

**Cefotetan****Cefotiam Hydrochloride****Cefpodoxime Proxetil**

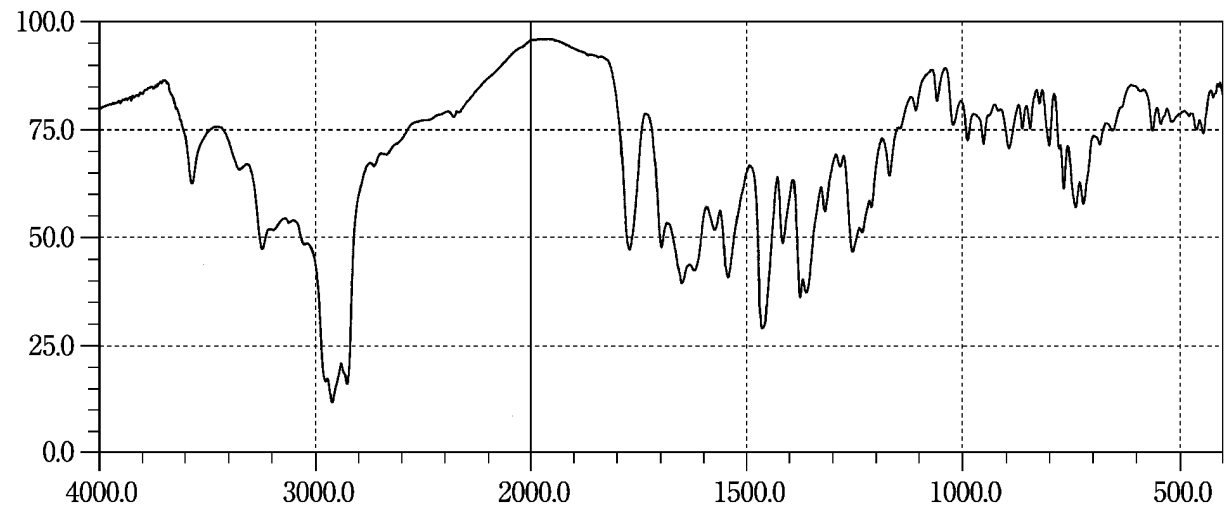
**Cefsulodin Sodium**



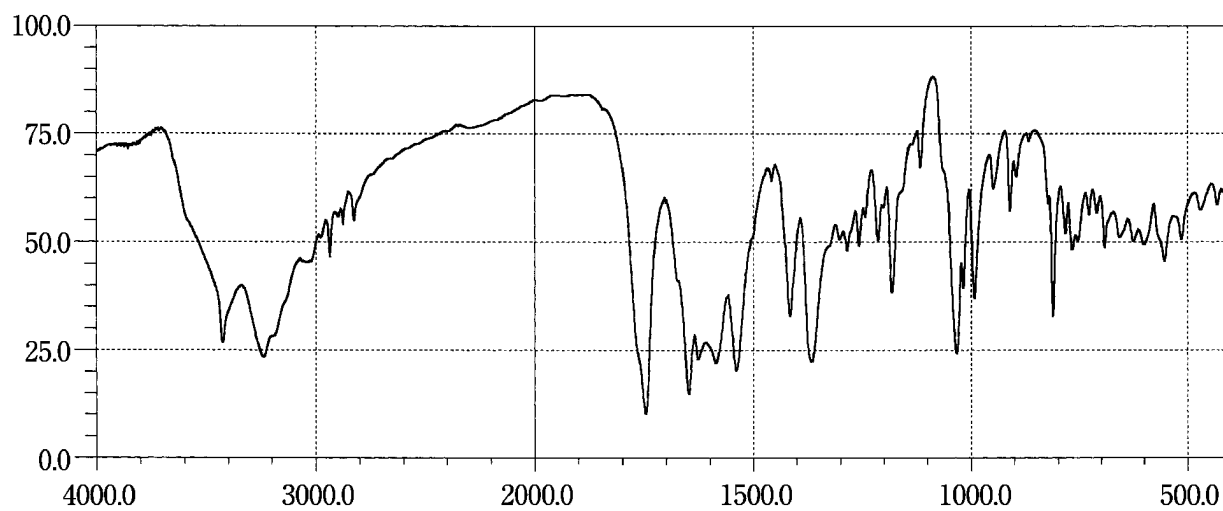
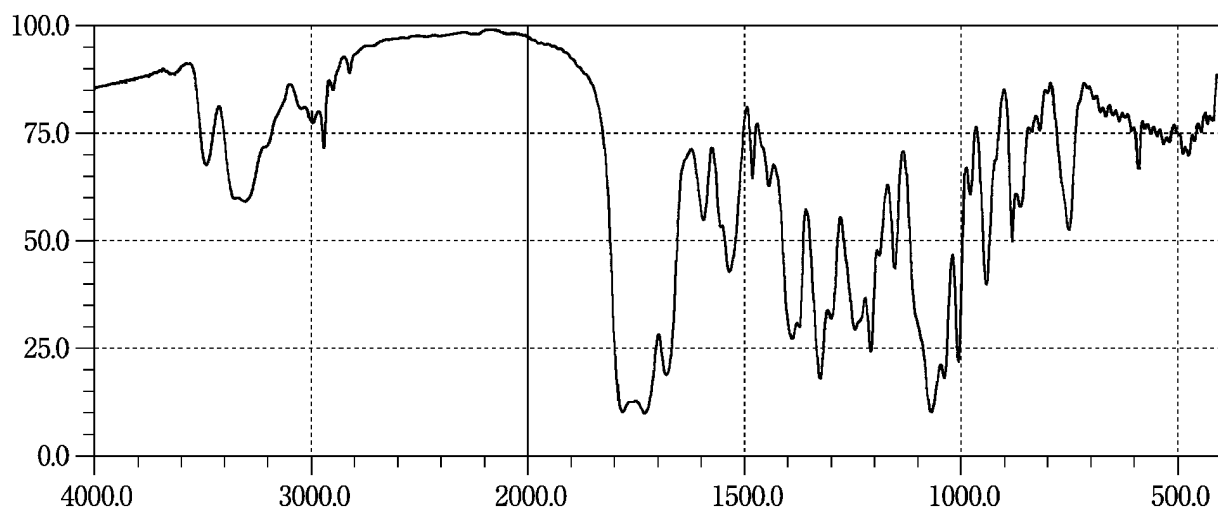
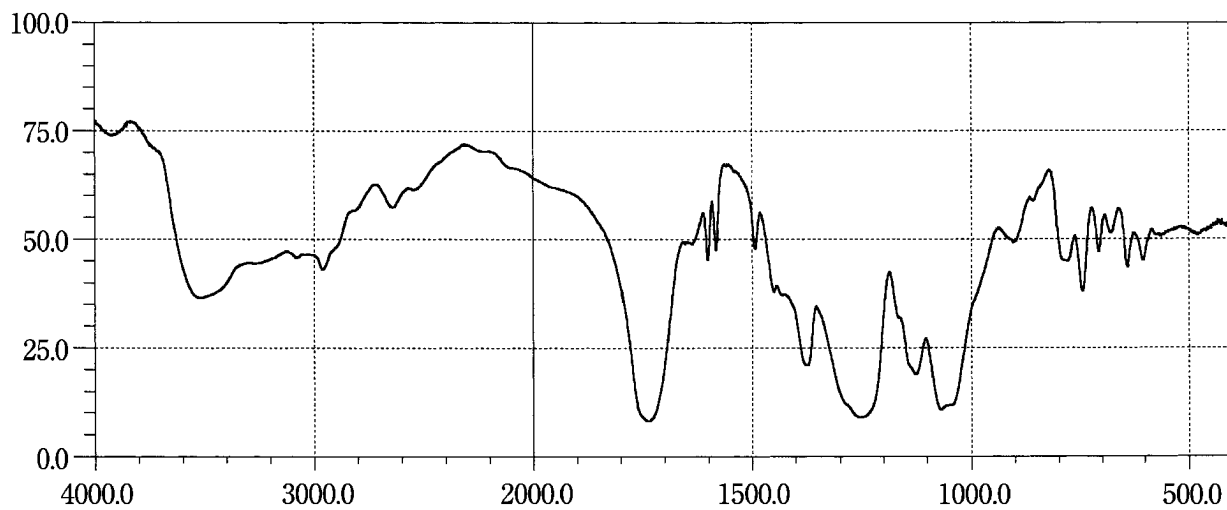
**Ceftazidime Hydrate**



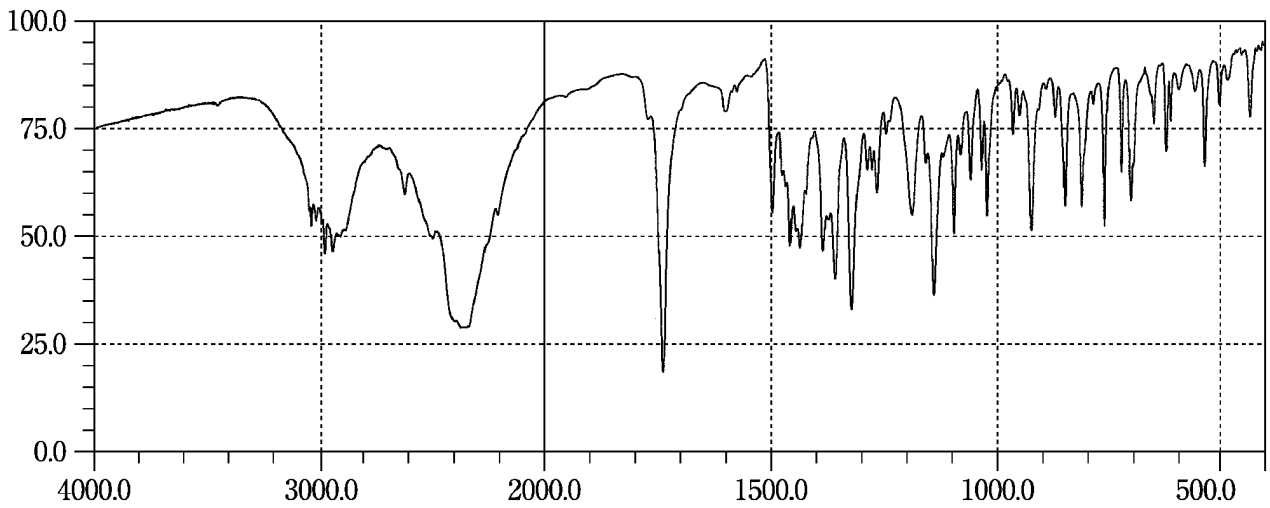
**Ceftibuten Hydrate**



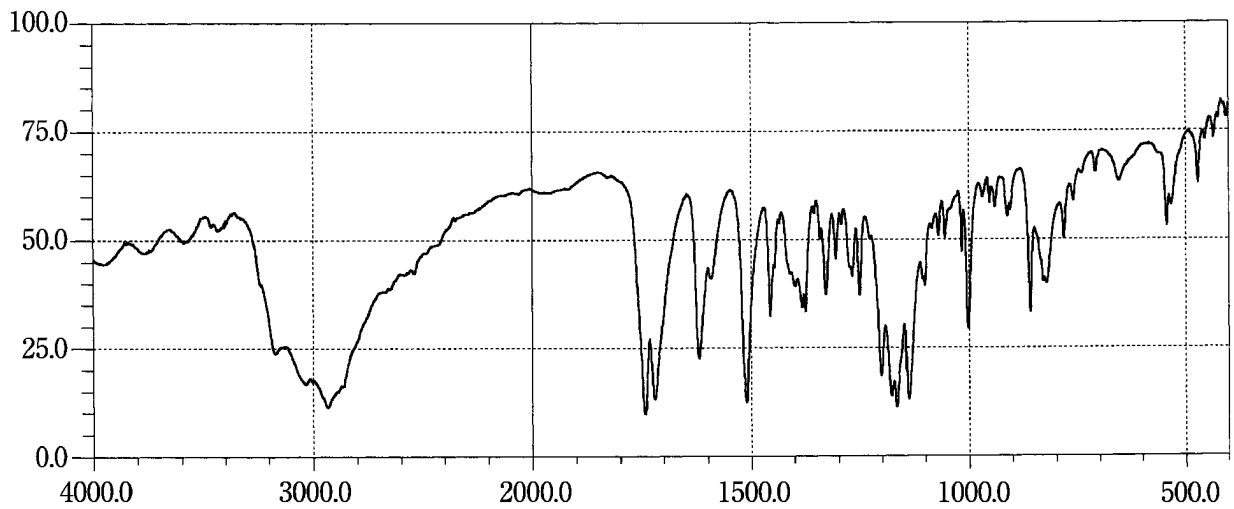


**Ceftizoxime Sodium****Cefuroxime Axetil****Cellcefate**

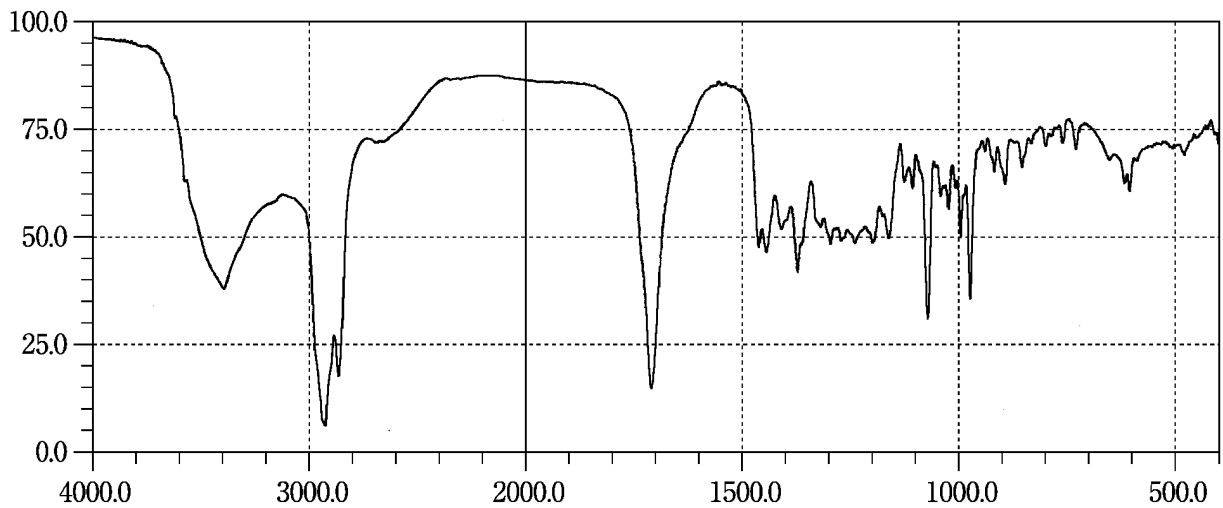
**Cetirizine Hydrochloride**

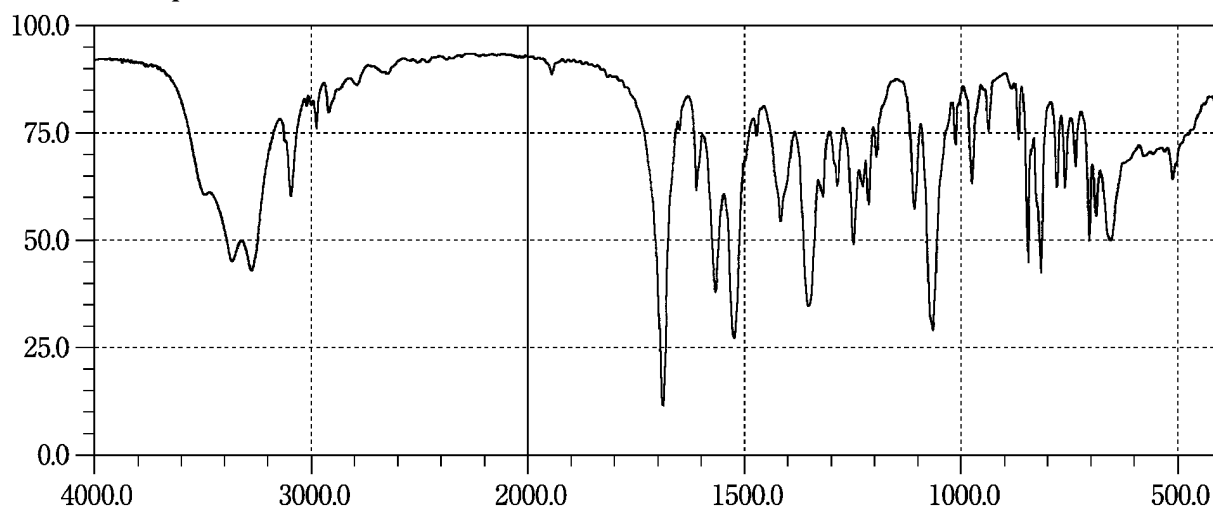
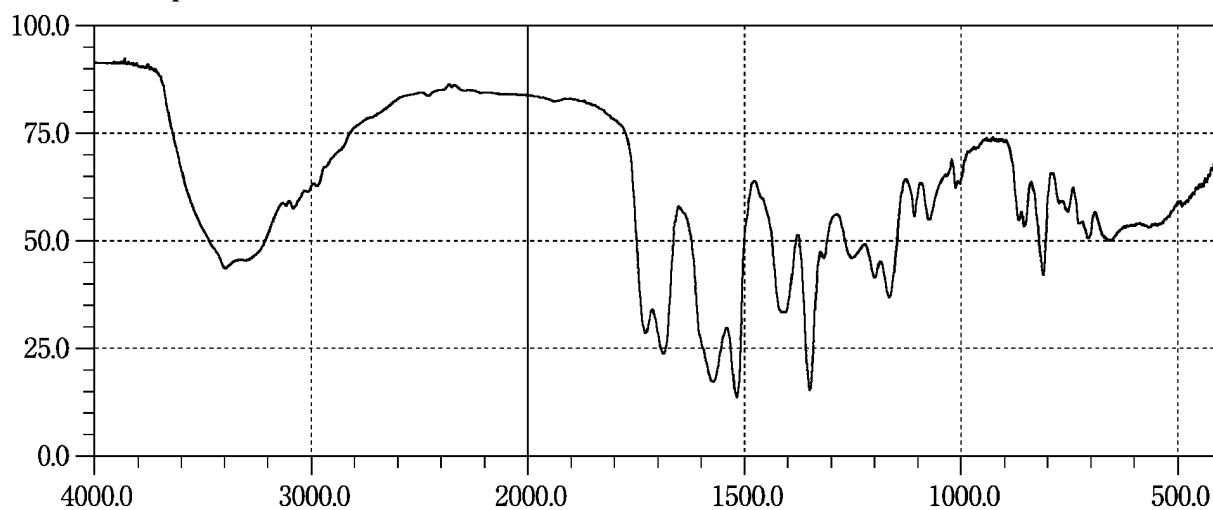
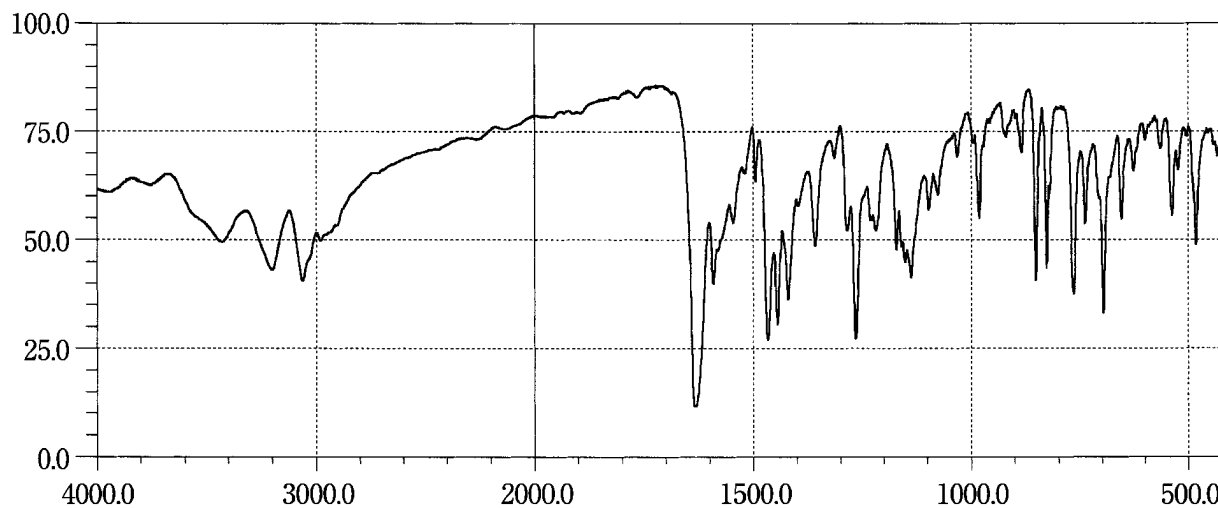


**Cetraxate Hydrochloride**

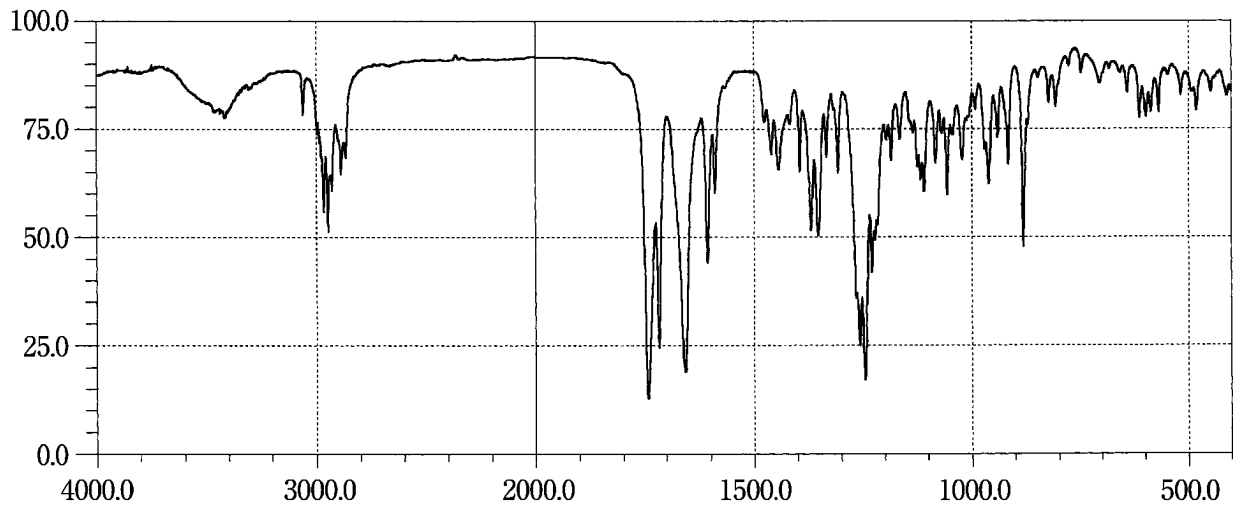


**Chenodeoxycholic Acid**

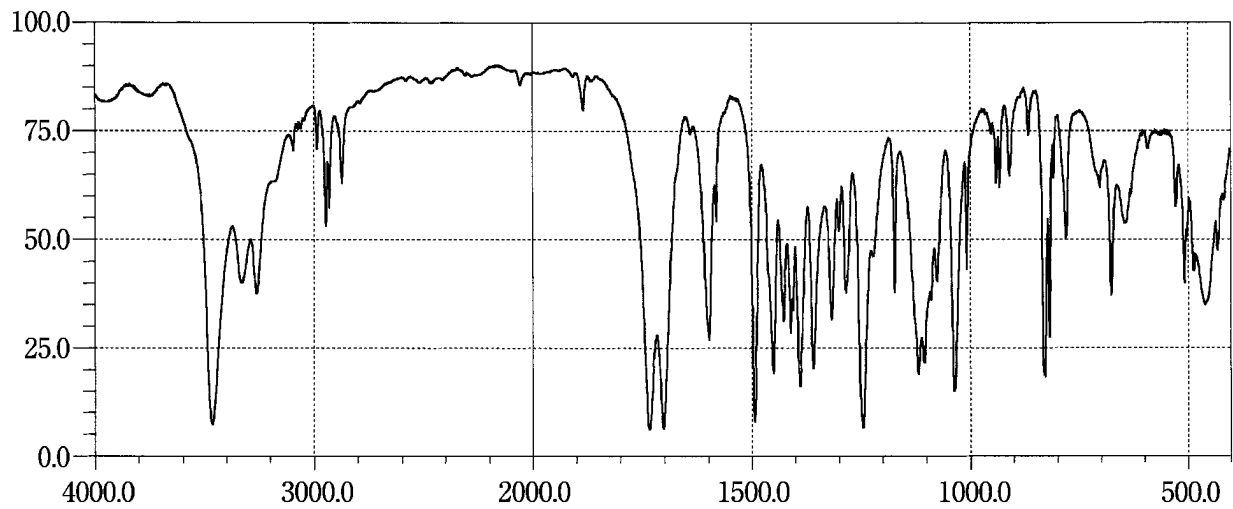


**Chloramphenicol****Chloramphenicol Sodium Succinate****Chlordiazepoxide**

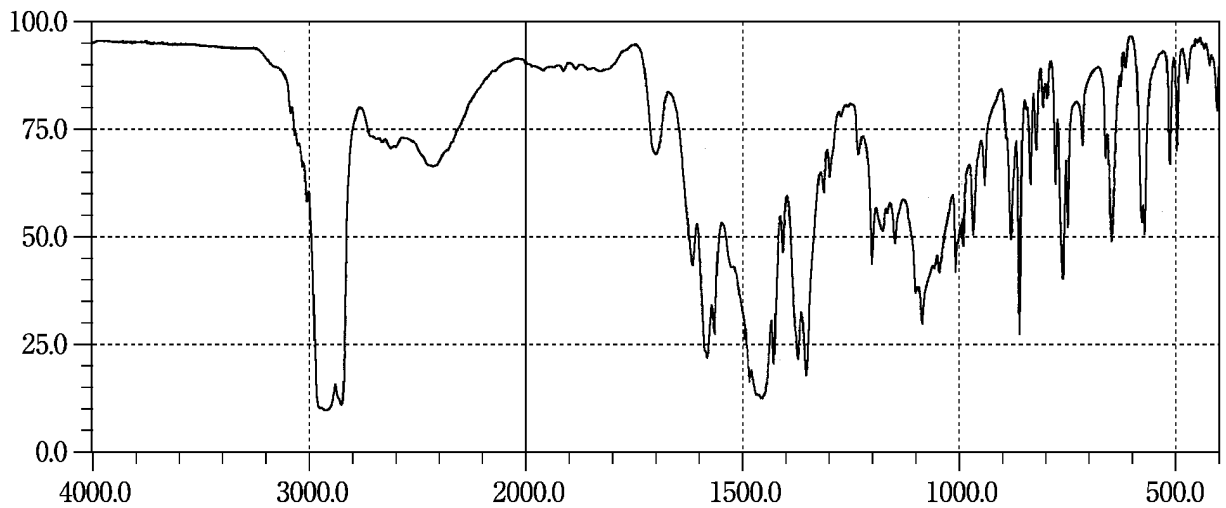
**Chlormadinone Acetate**

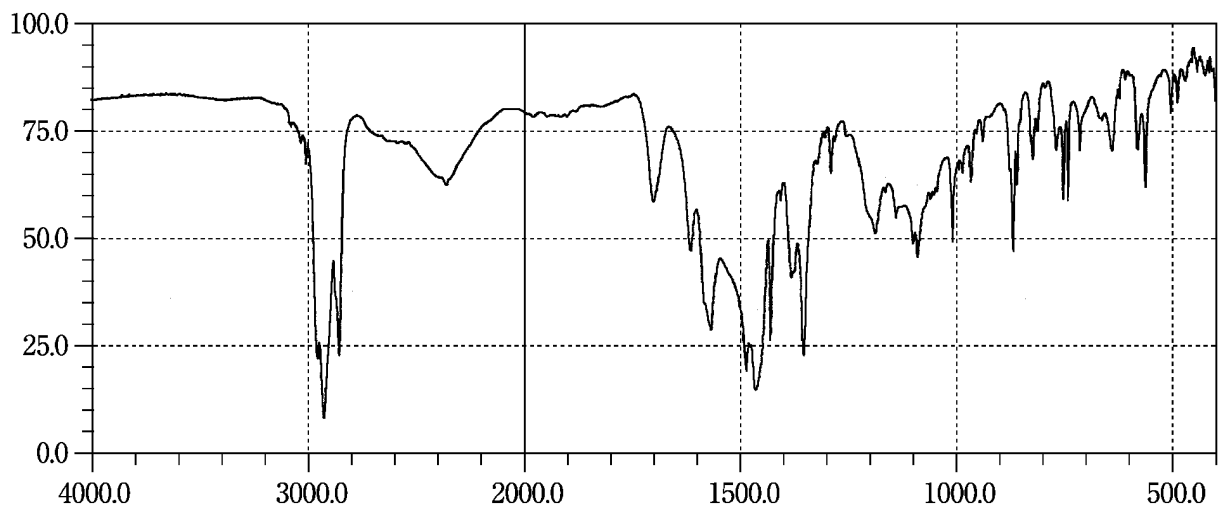
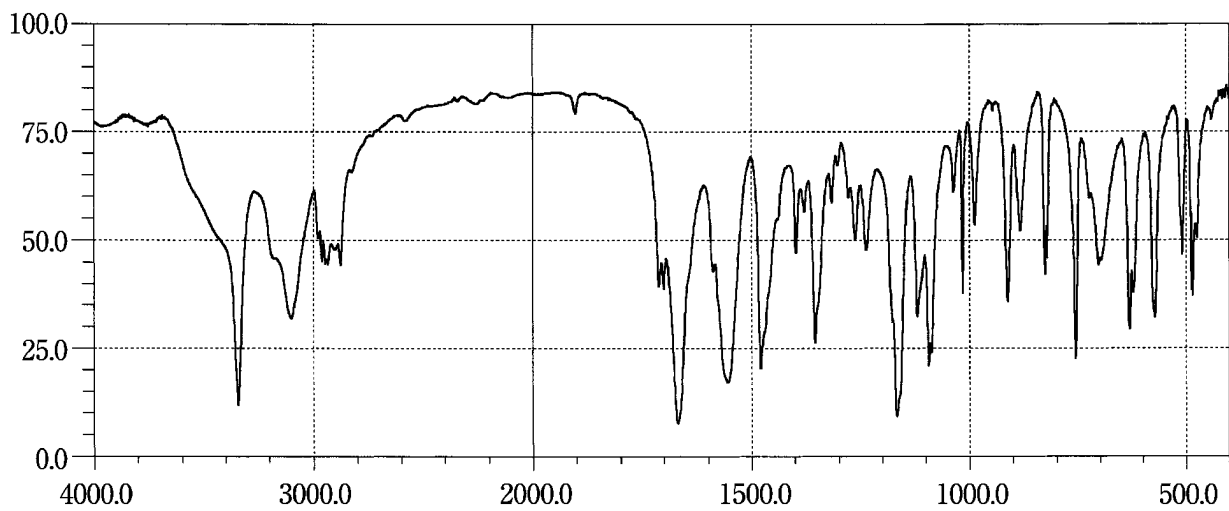
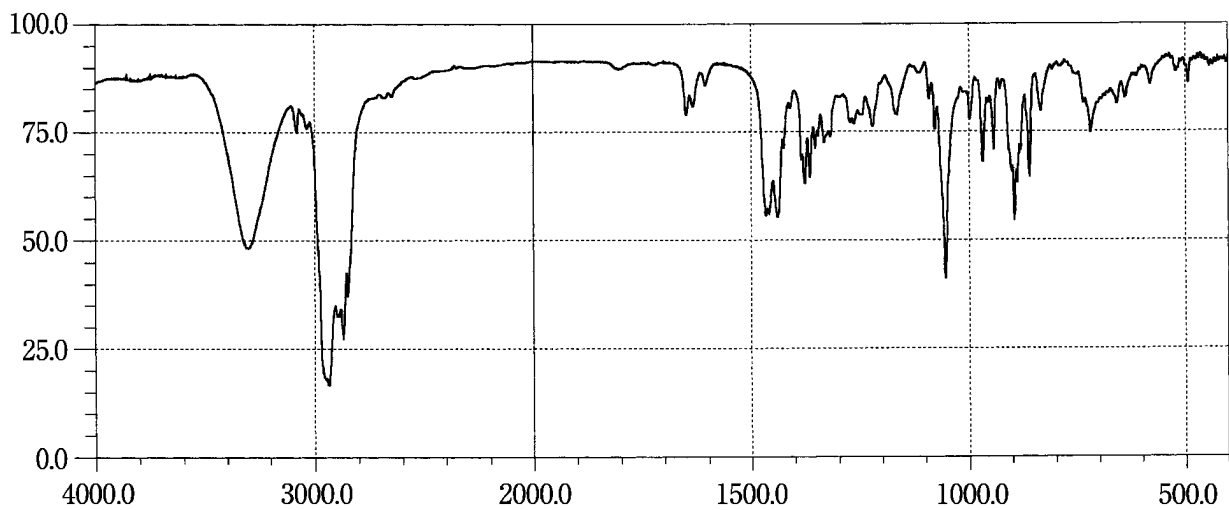


**Chlorphenesin Carbamate**

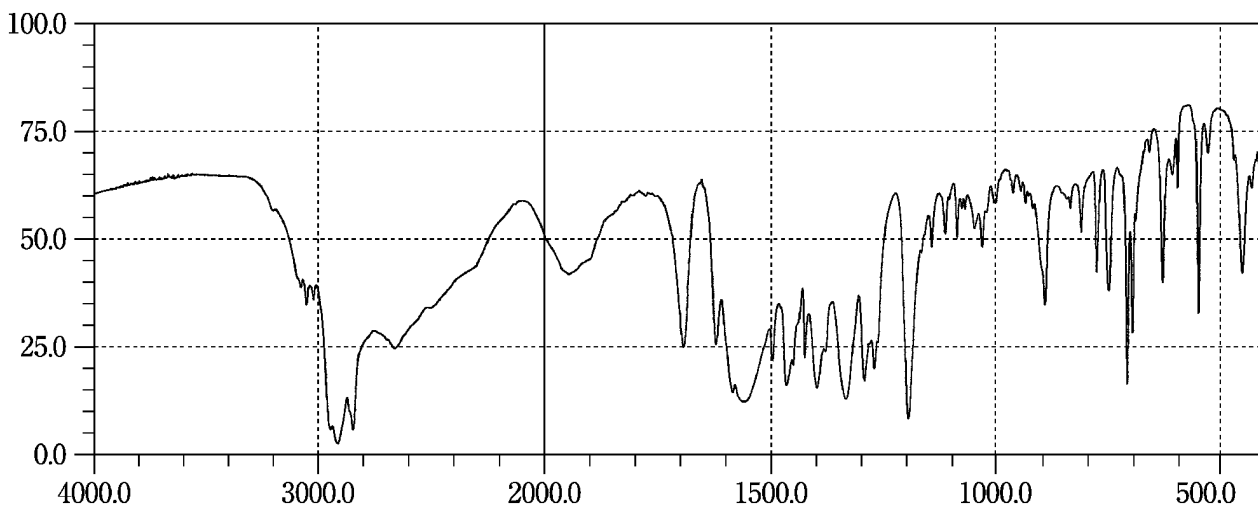


**Chlorpheniramine Maleate**

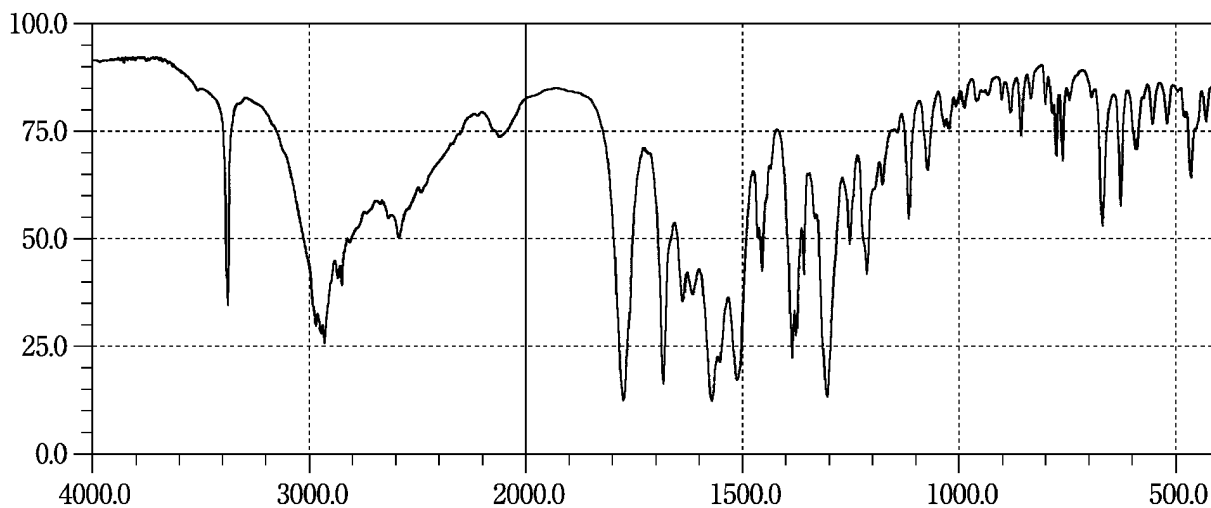


**d-Chlorpheniramine Maleate****Chlorpropamide****Cholecalciferol**

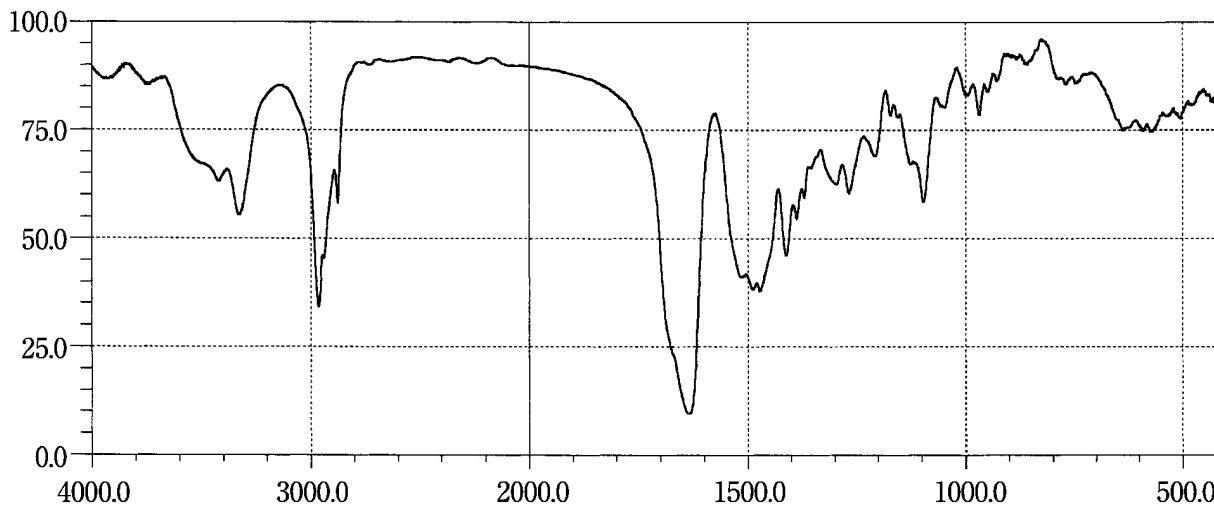
**Cibenzoline Succinate**



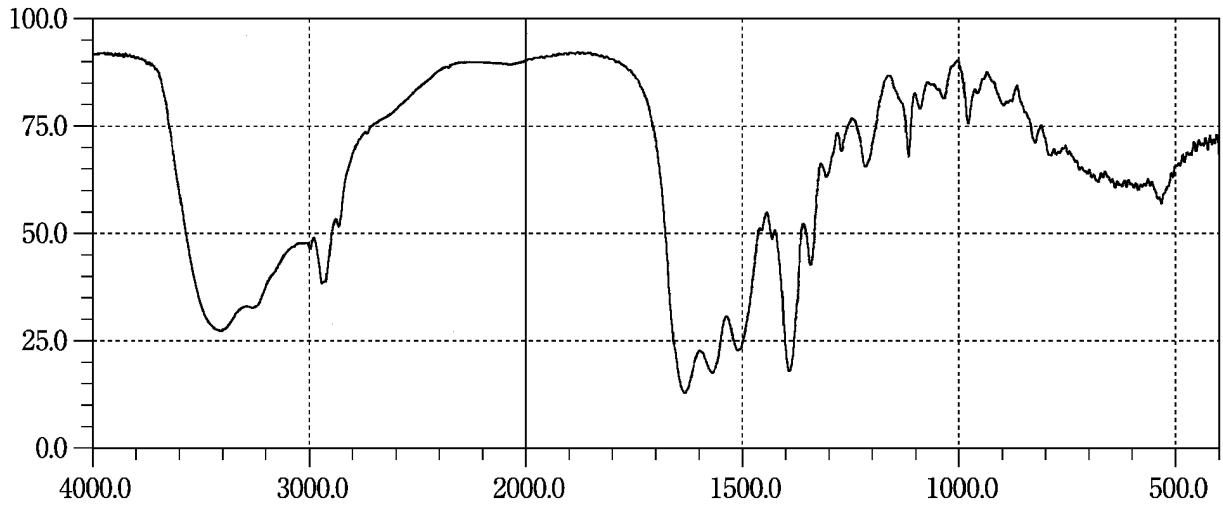
**Ciclacillin**



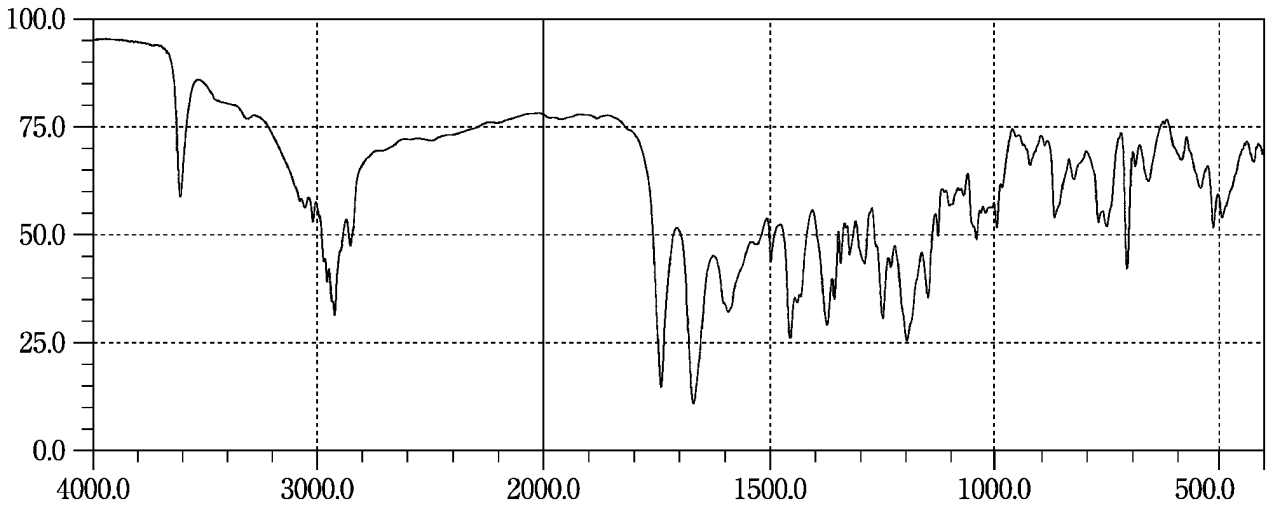
**Ciclosporin**



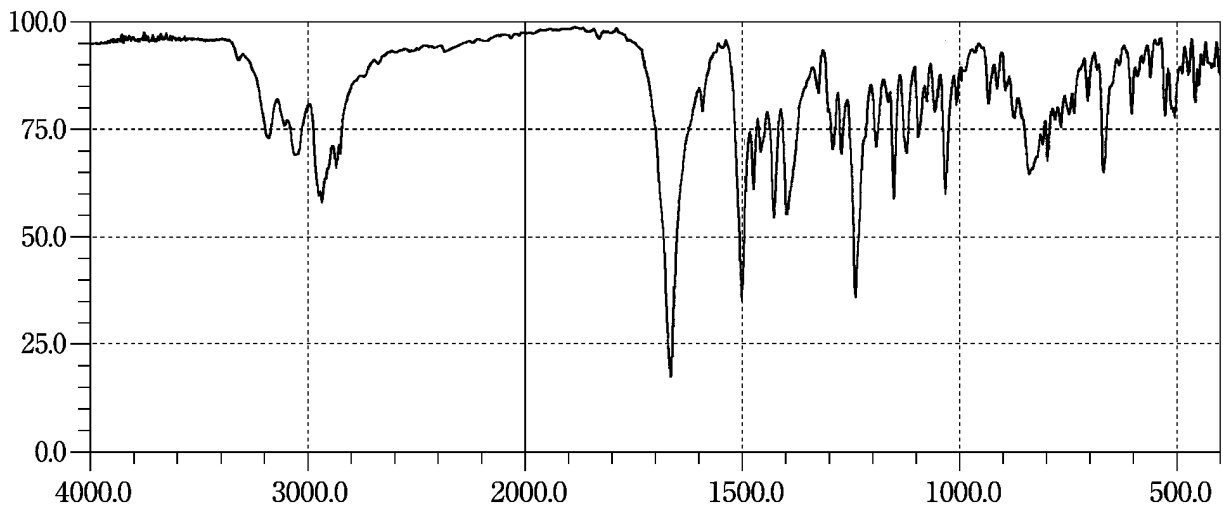
**Cilastatin Sodium**

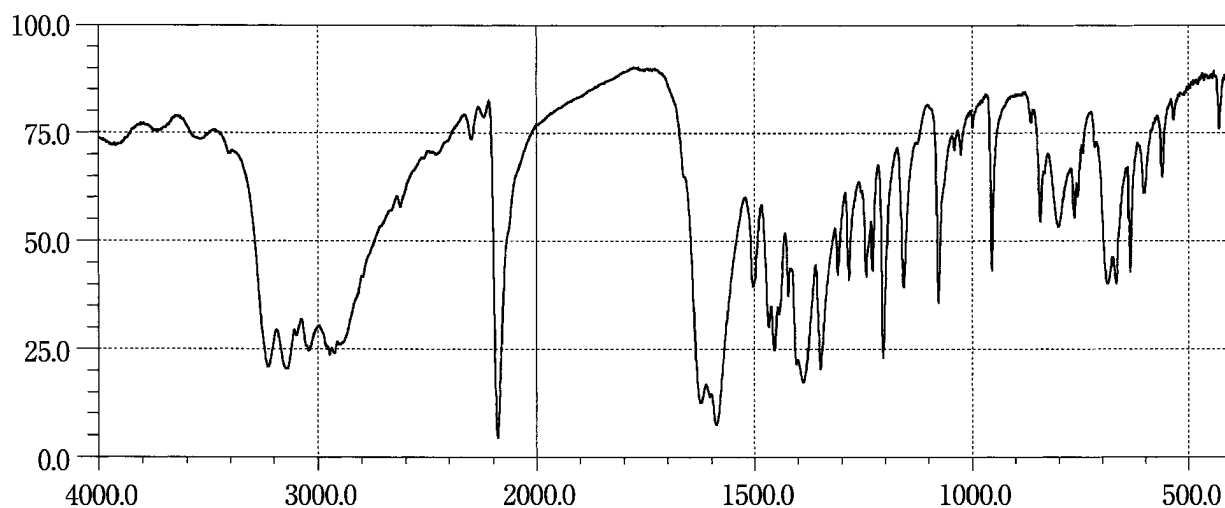
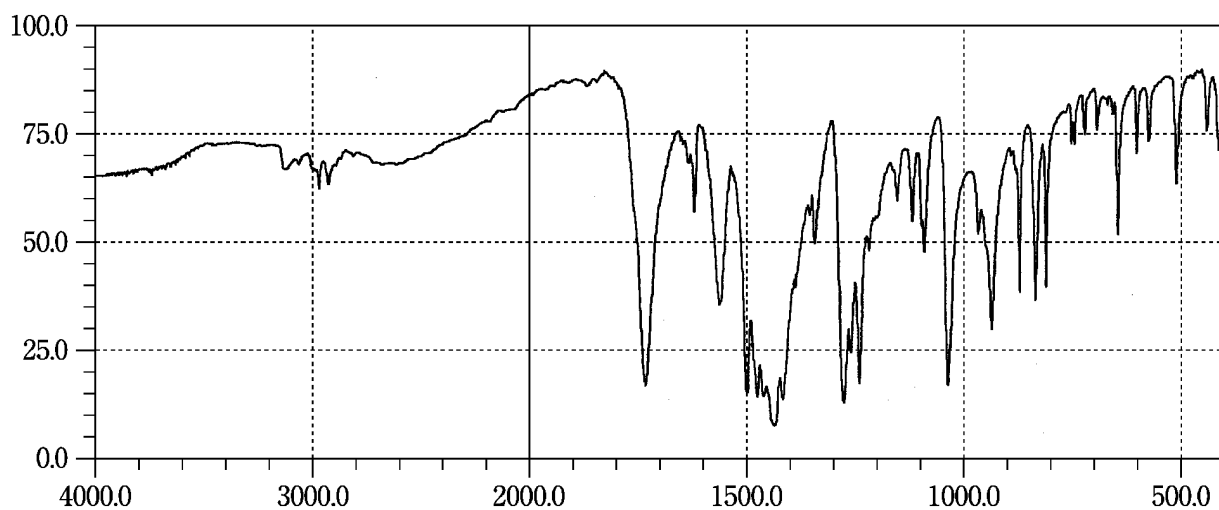
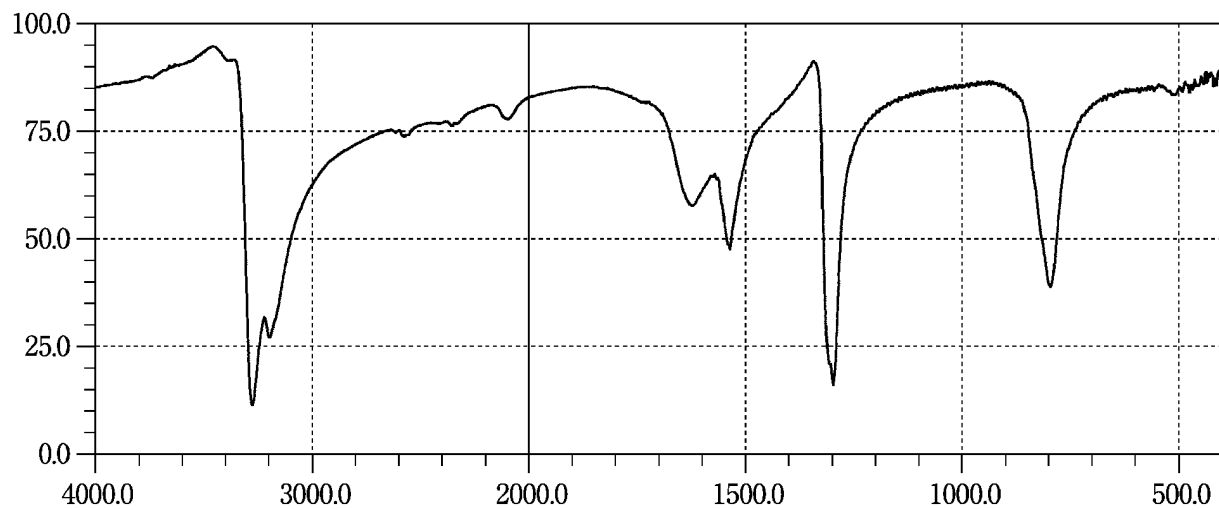


**Cilazapril Hydrate**

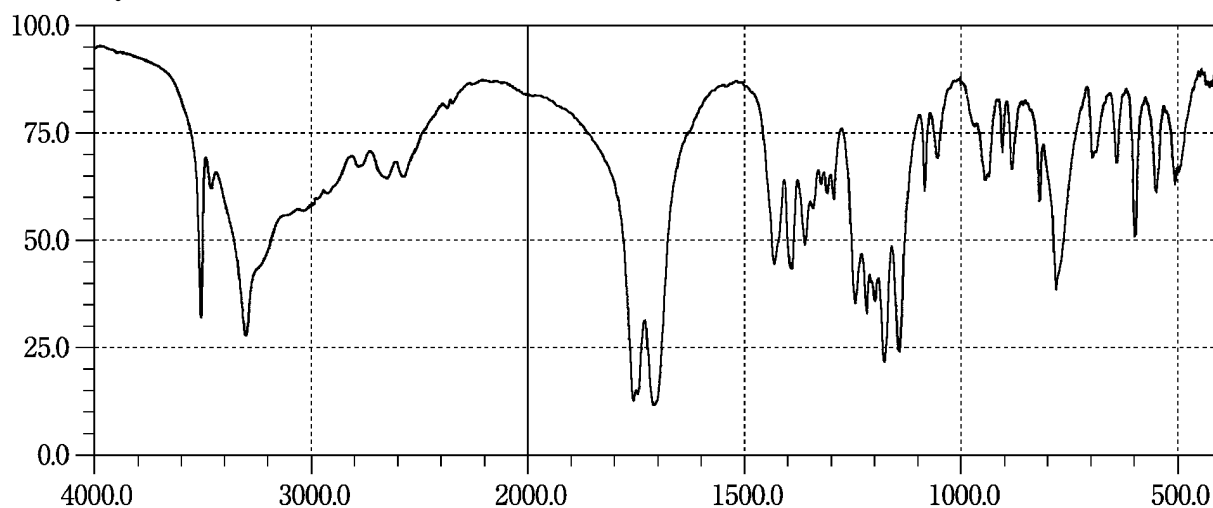
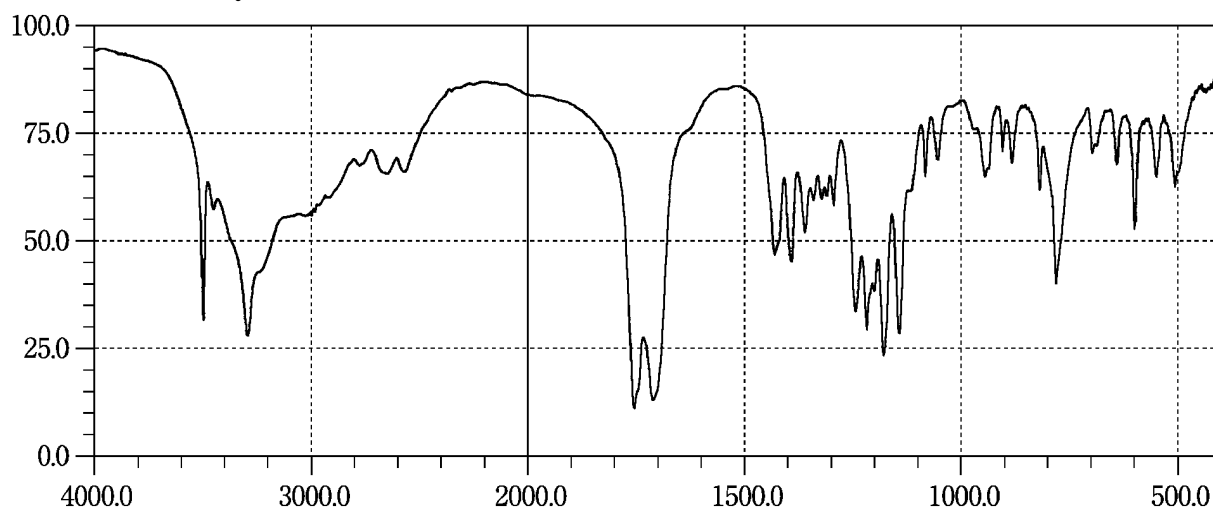
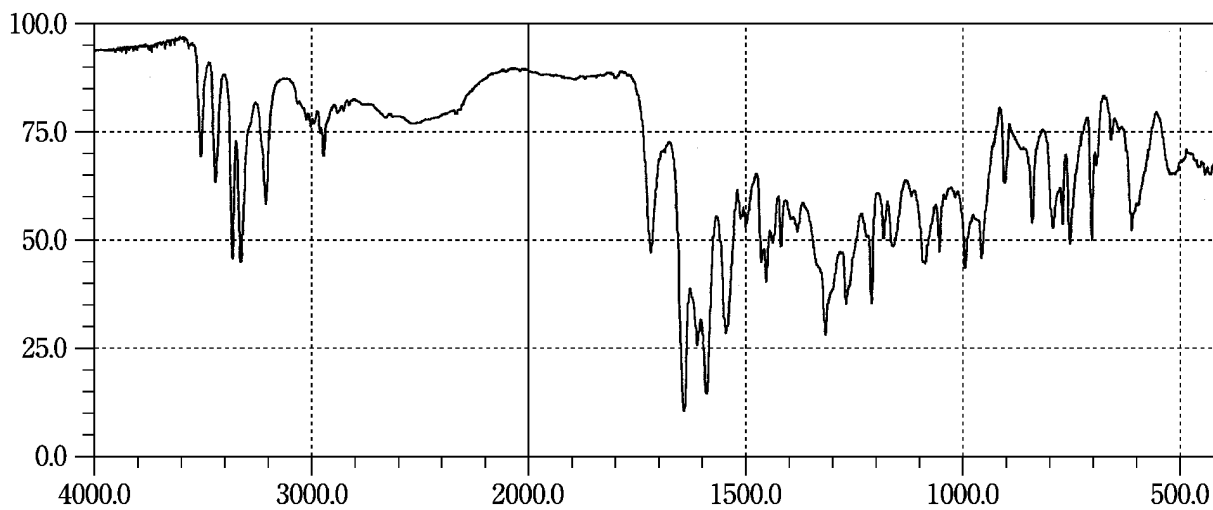


**Cilostazol**

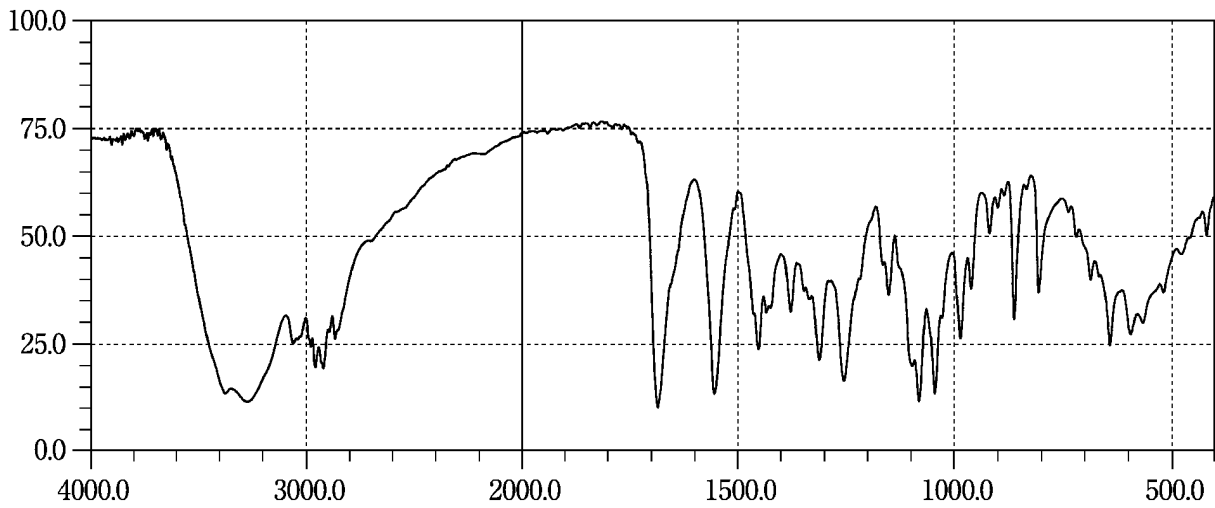


**Cimetidine****Cinoxacin****Cisplatin**

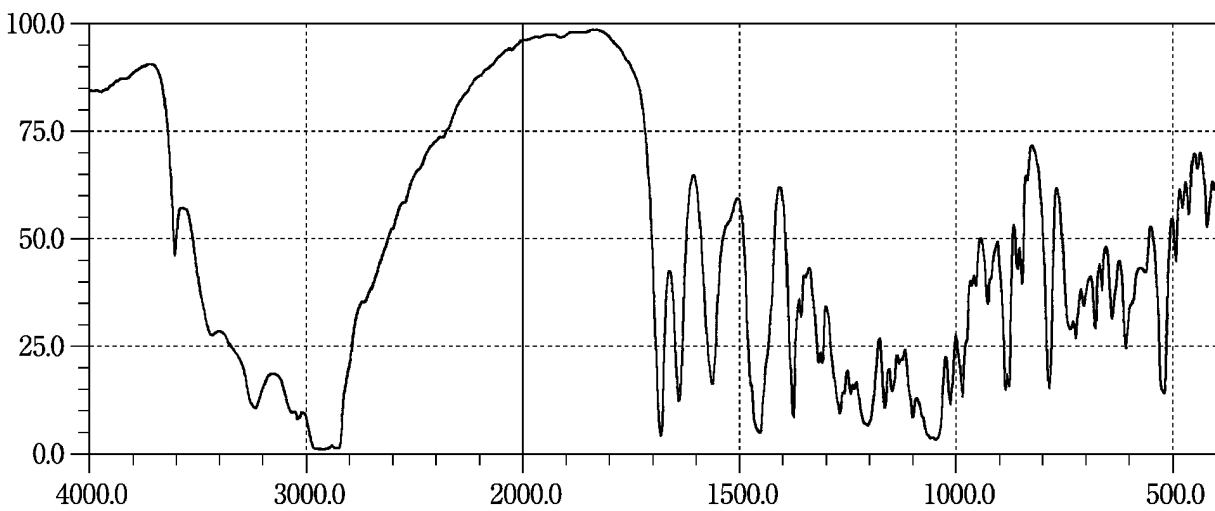


**Anhydrous Citric Acid****Citric Acid Hydrate****Clebopride Malate**

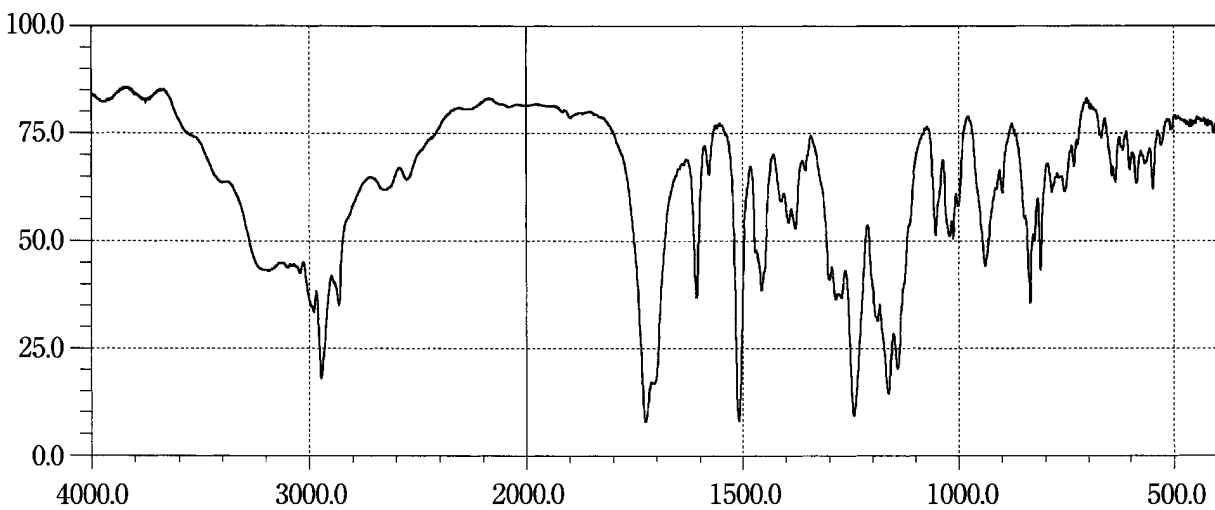
**Clindamycin Hydrochloride**

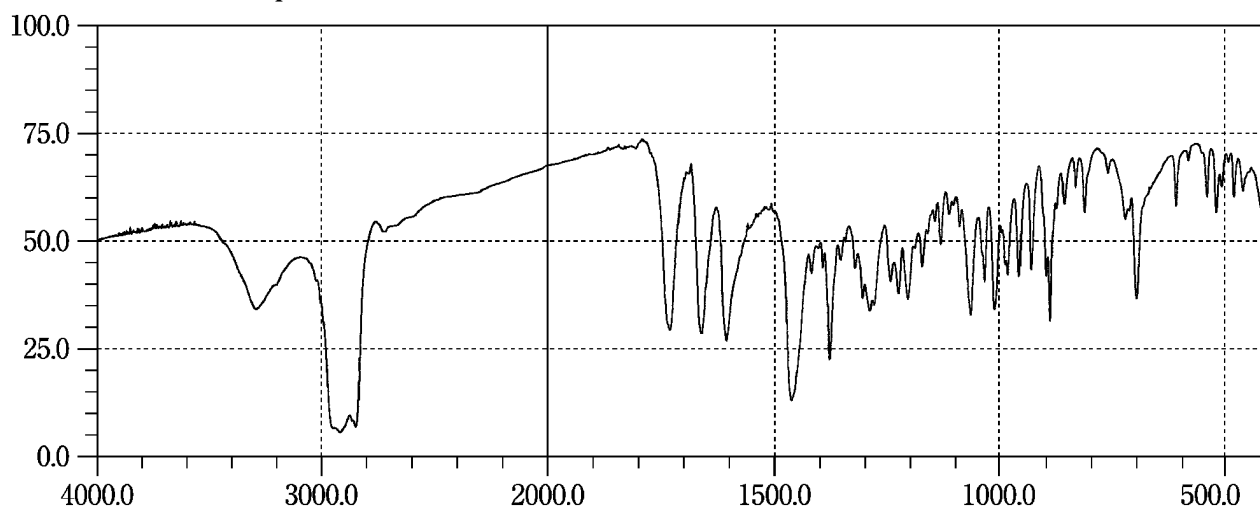
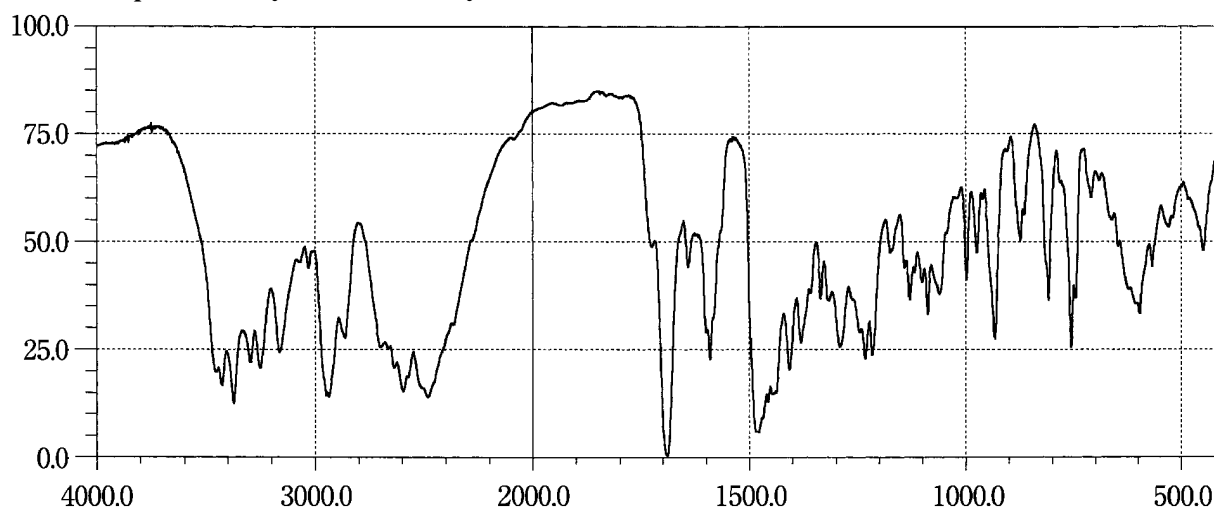
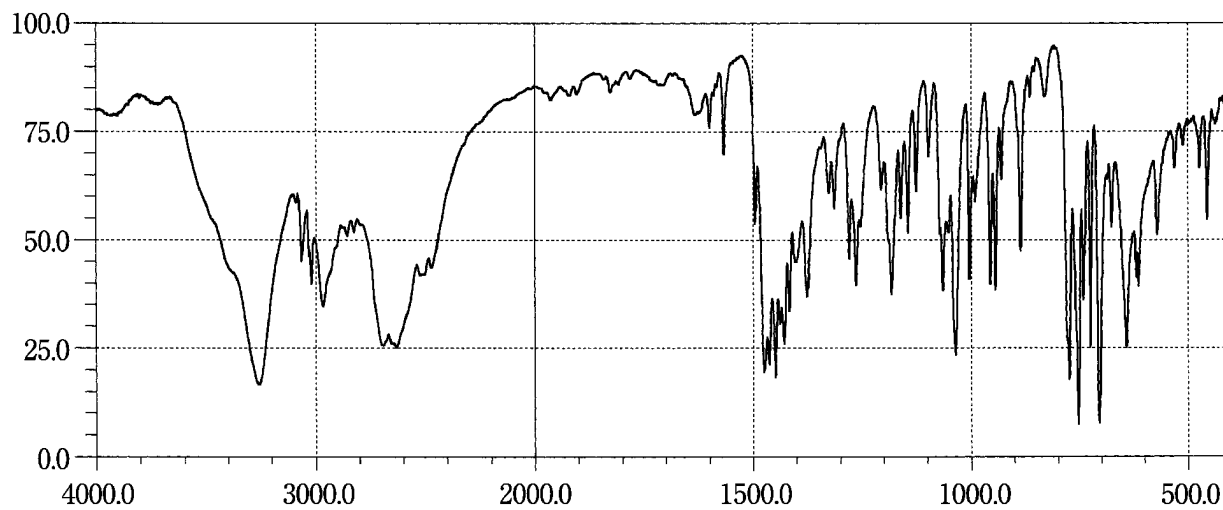


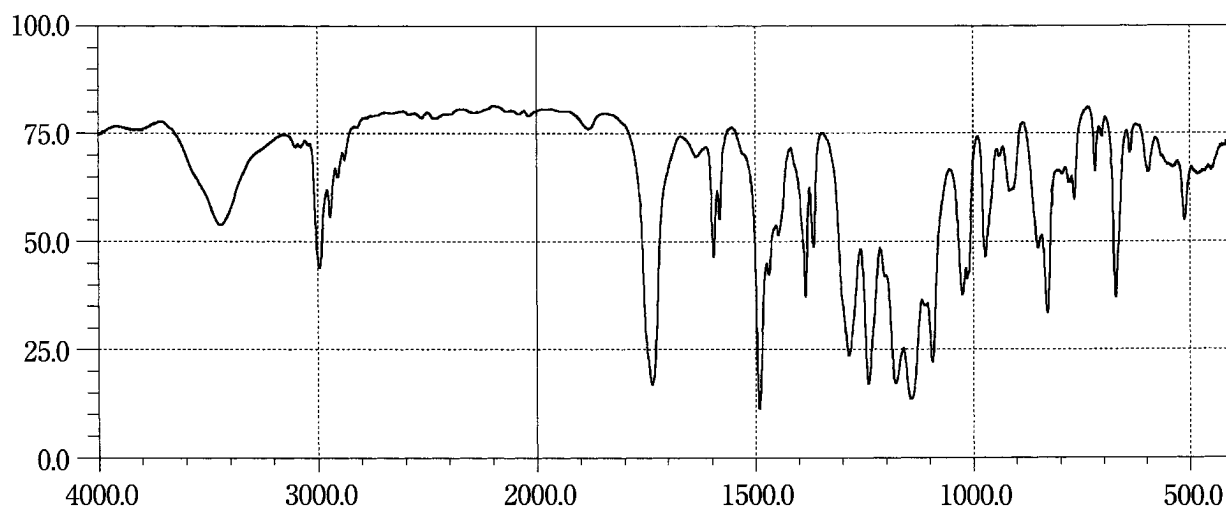
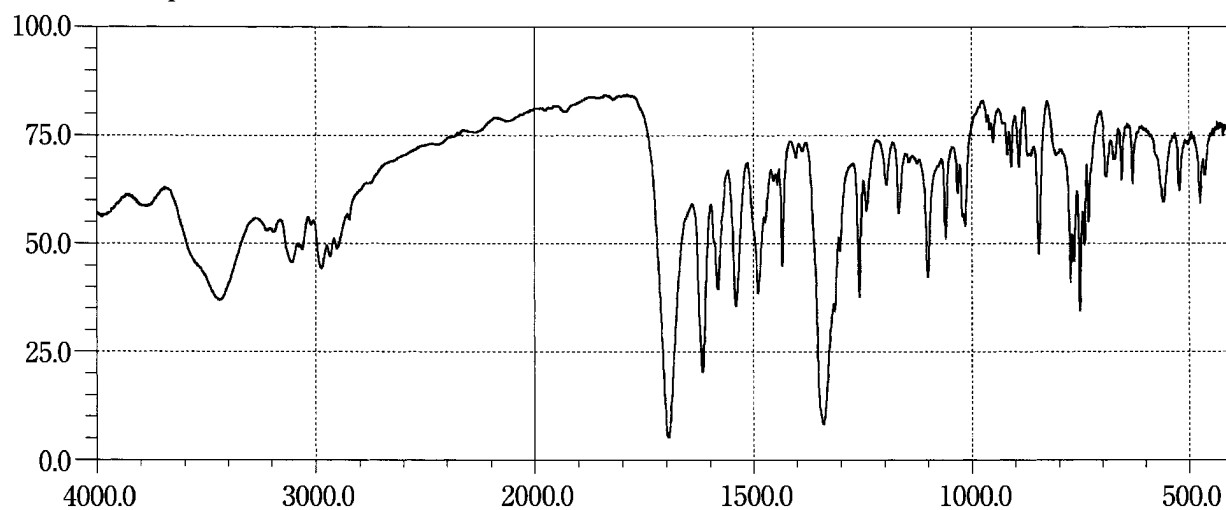
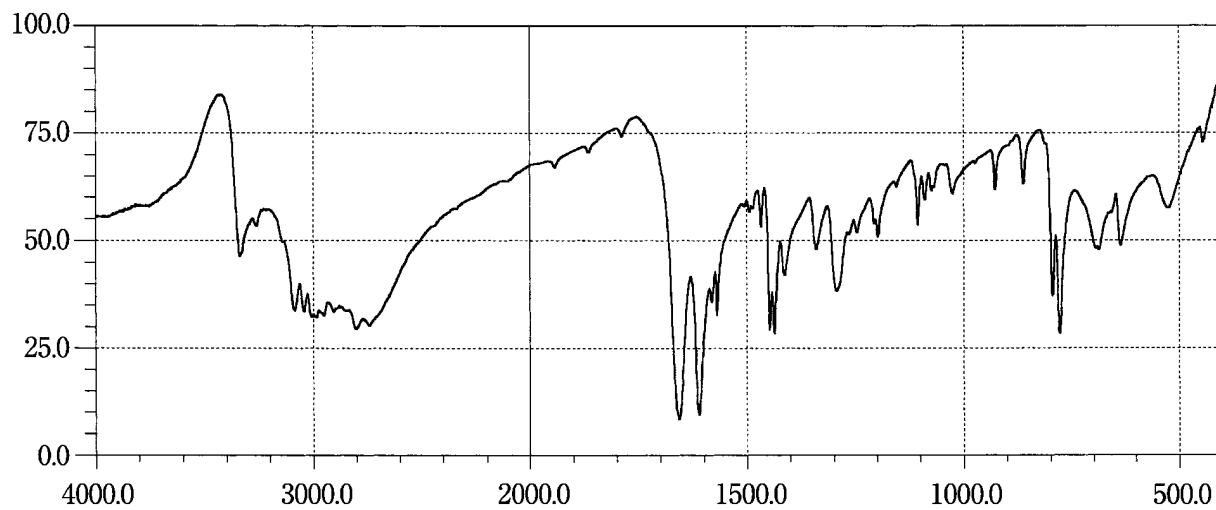
**Clindamycin Phosphate**

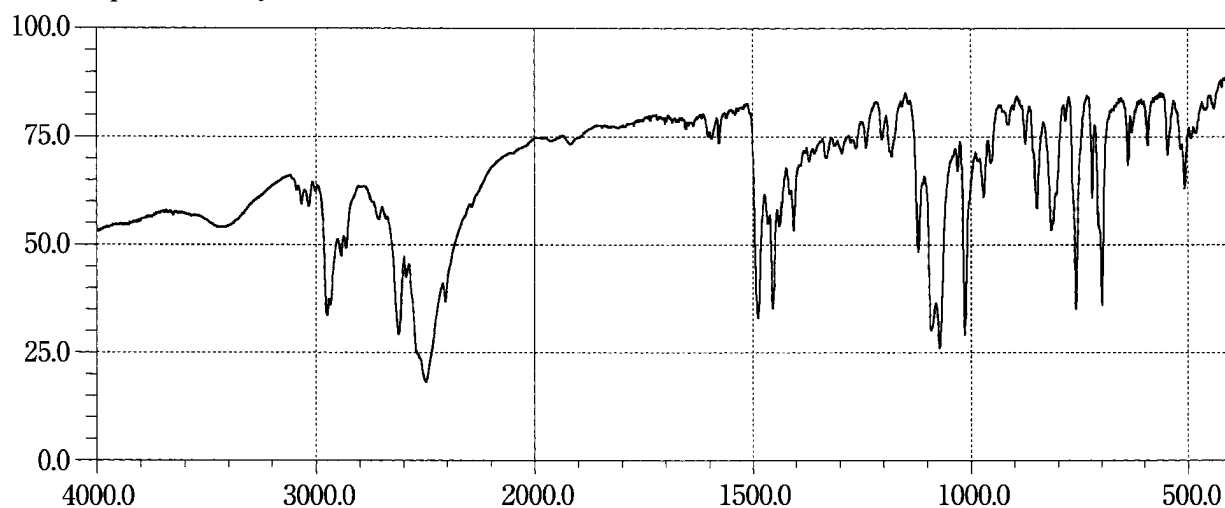
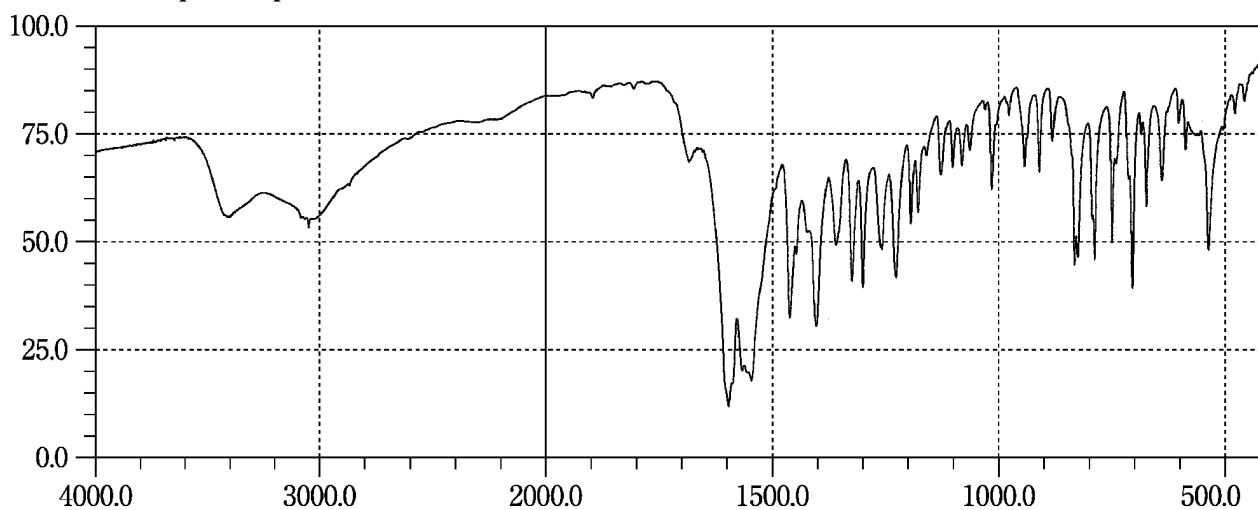
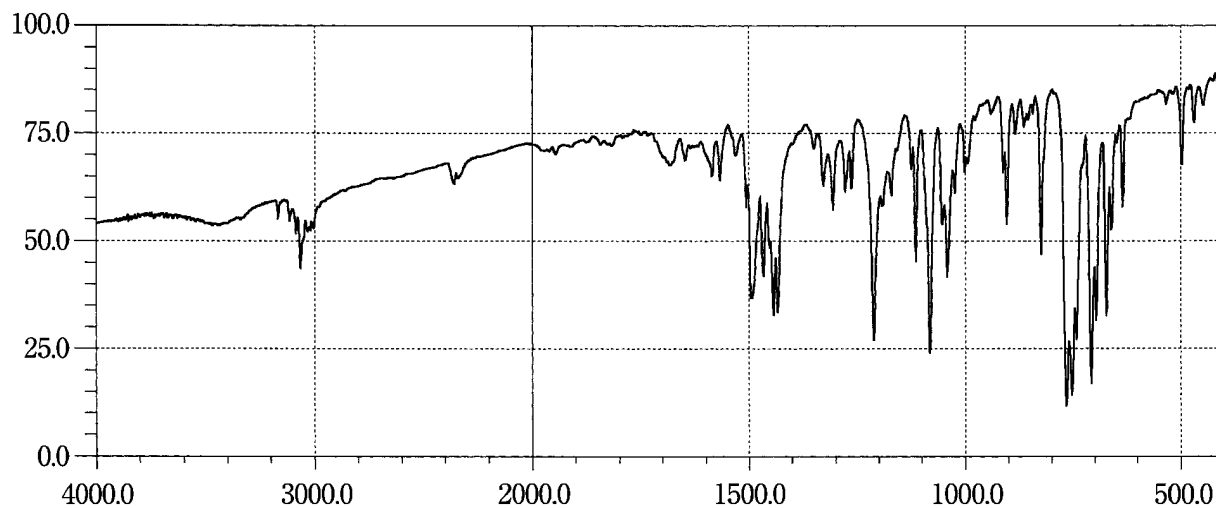


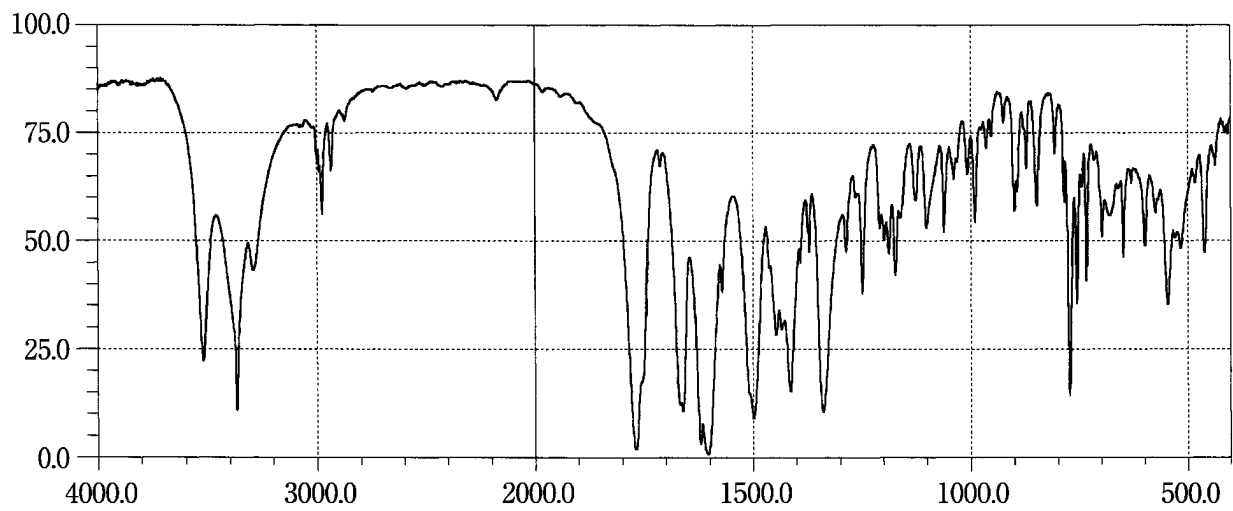
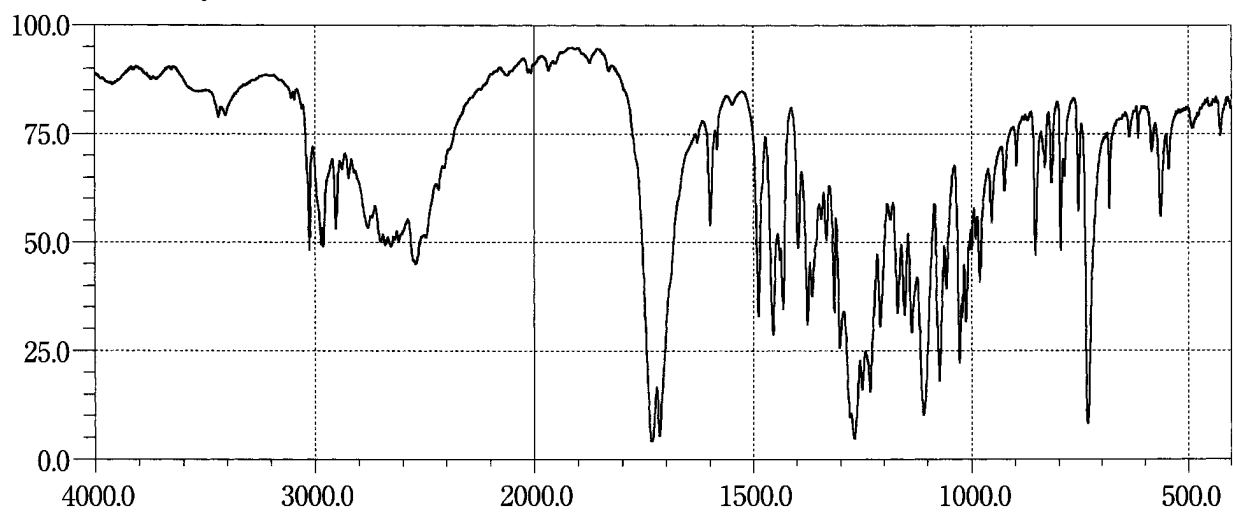
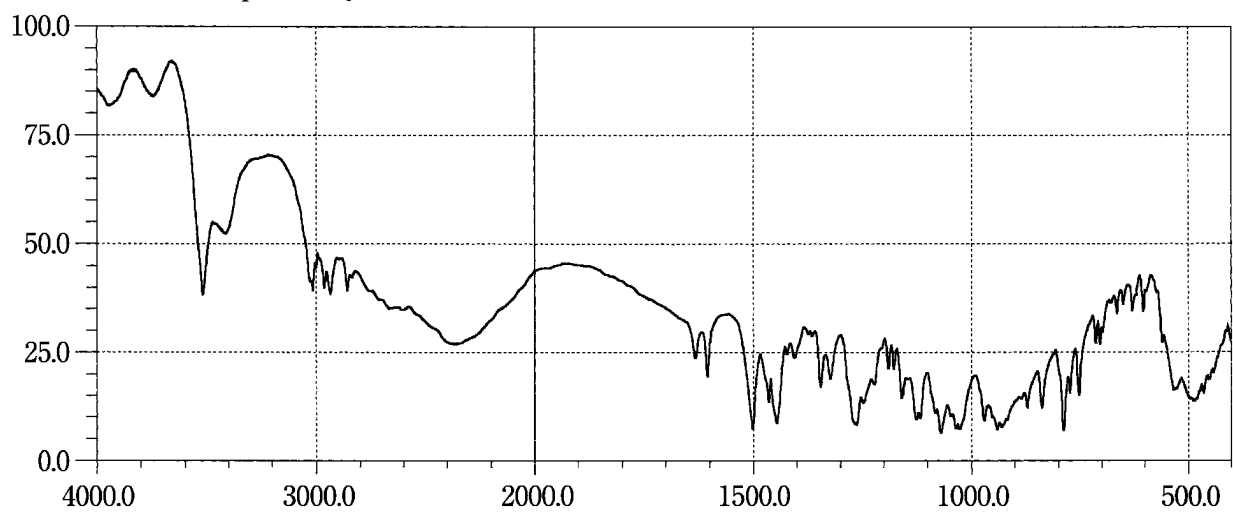
**Clinofibrate**

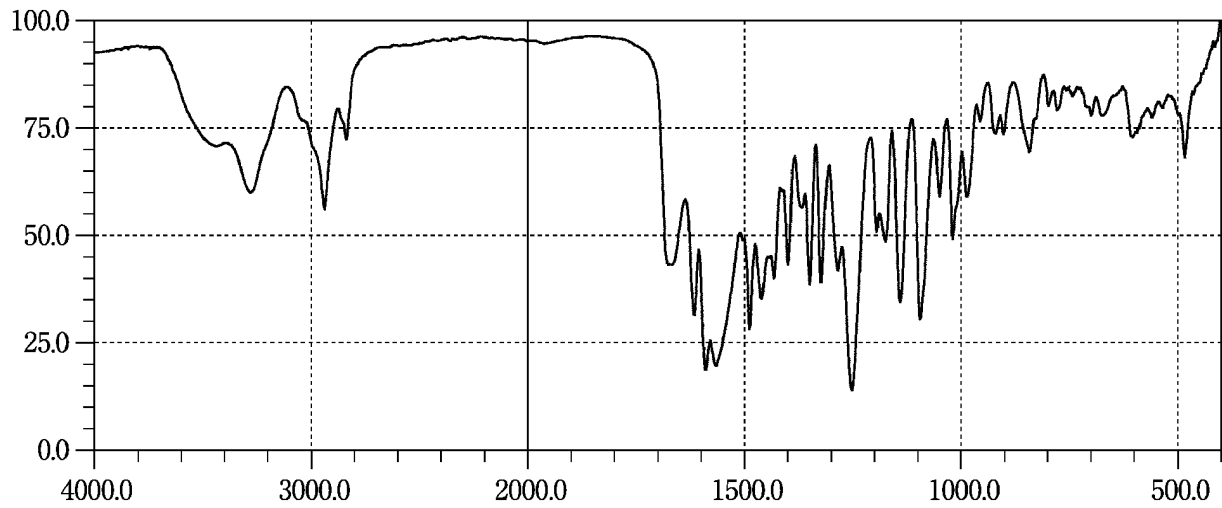
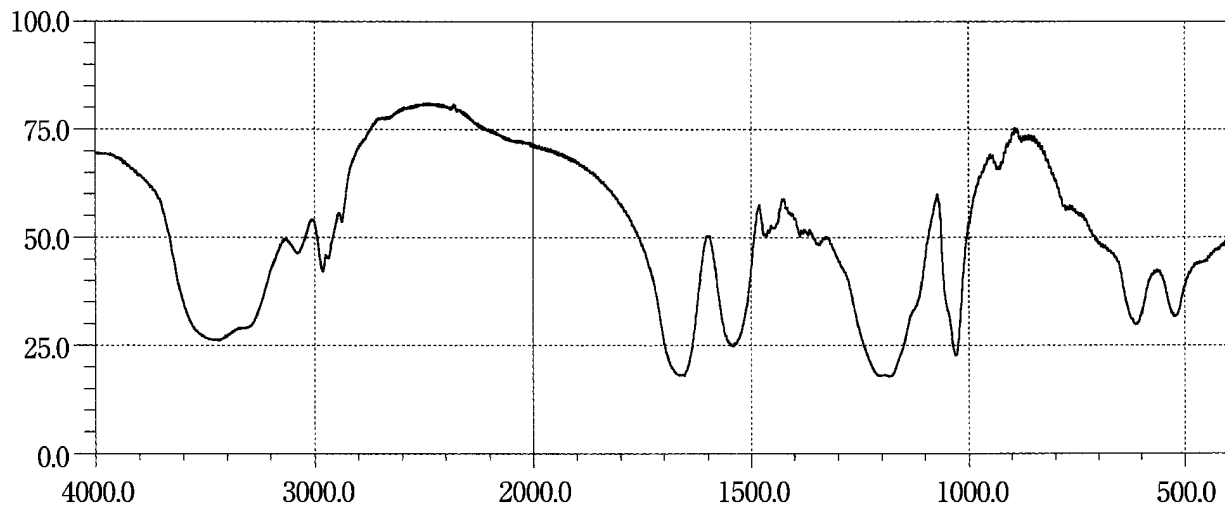
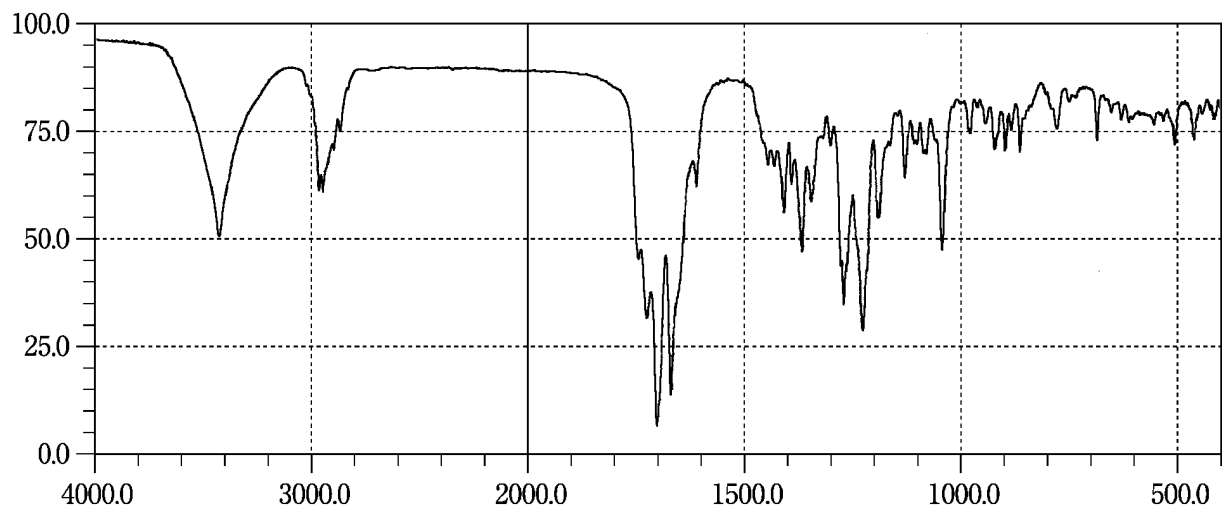


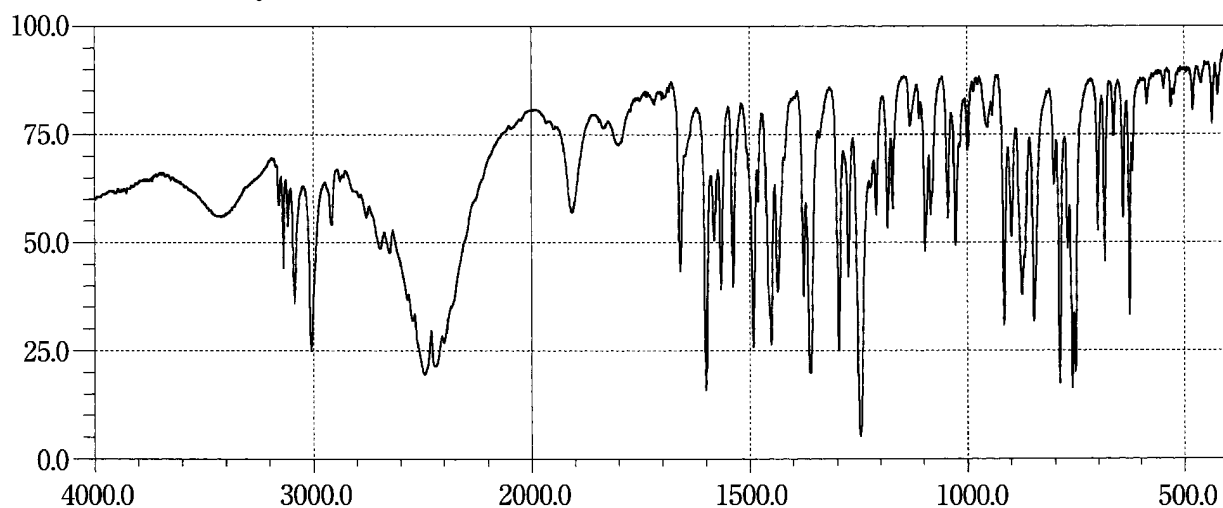
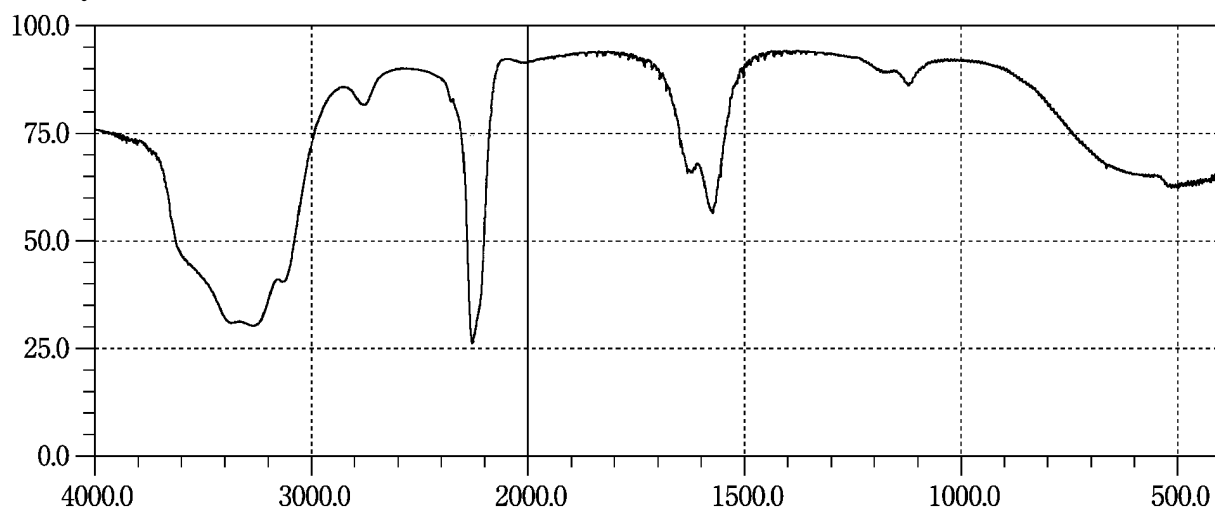
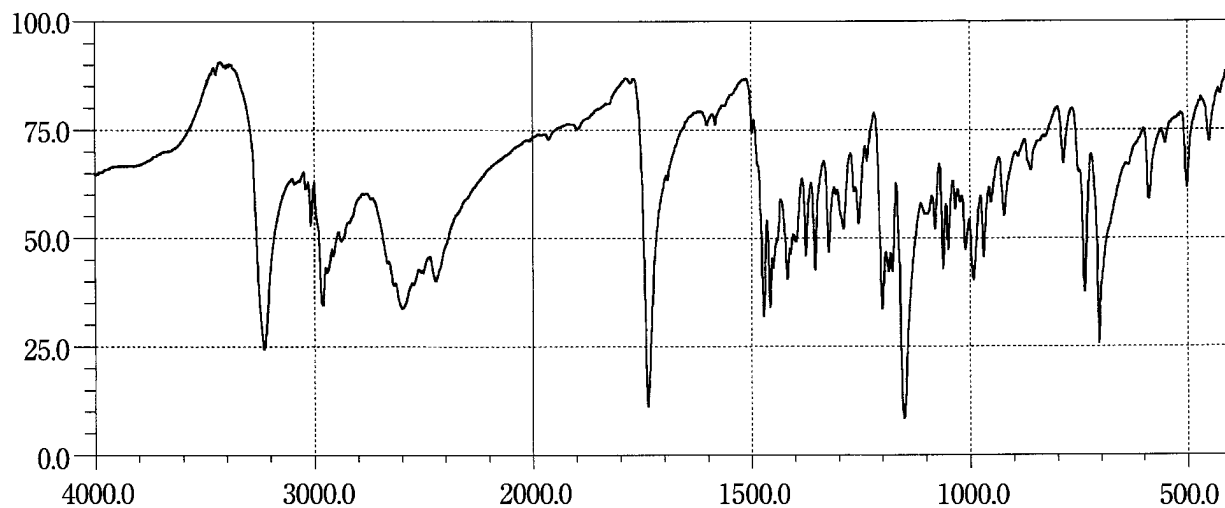
**Clobetasol Propionate****Clozapramine Hydrochloride Hydrate****Clofedanol Hydrochloride**

**Clofibrate****Clonazepam****Clonidine Hydrochloride**

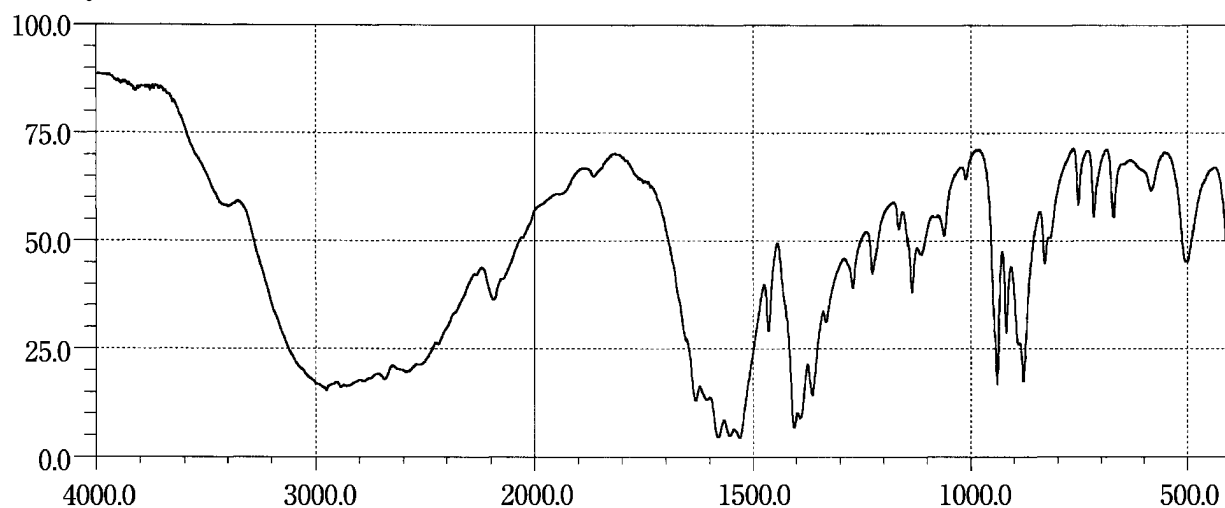
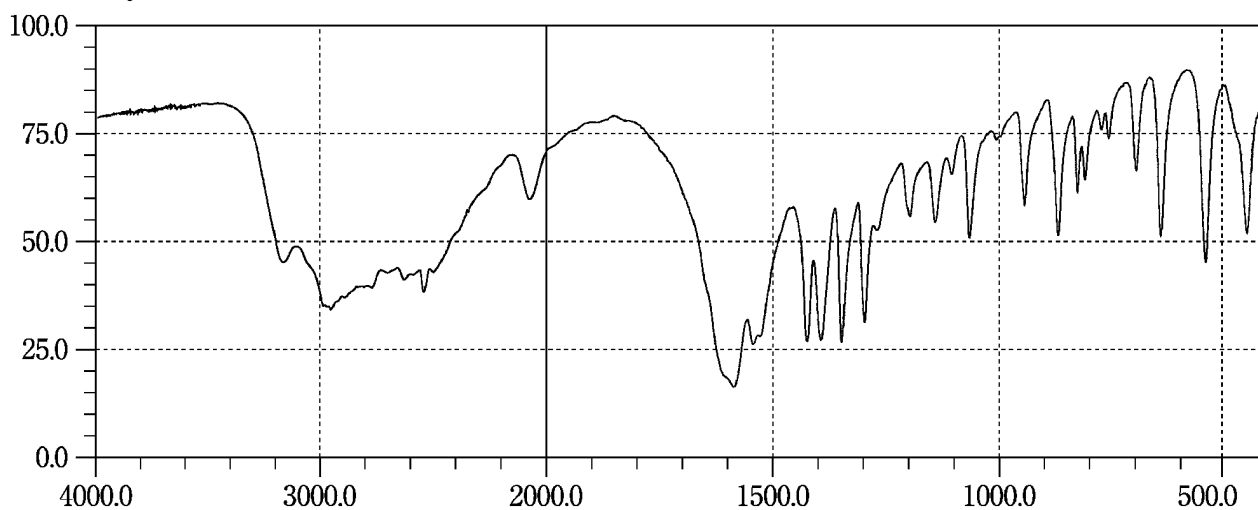
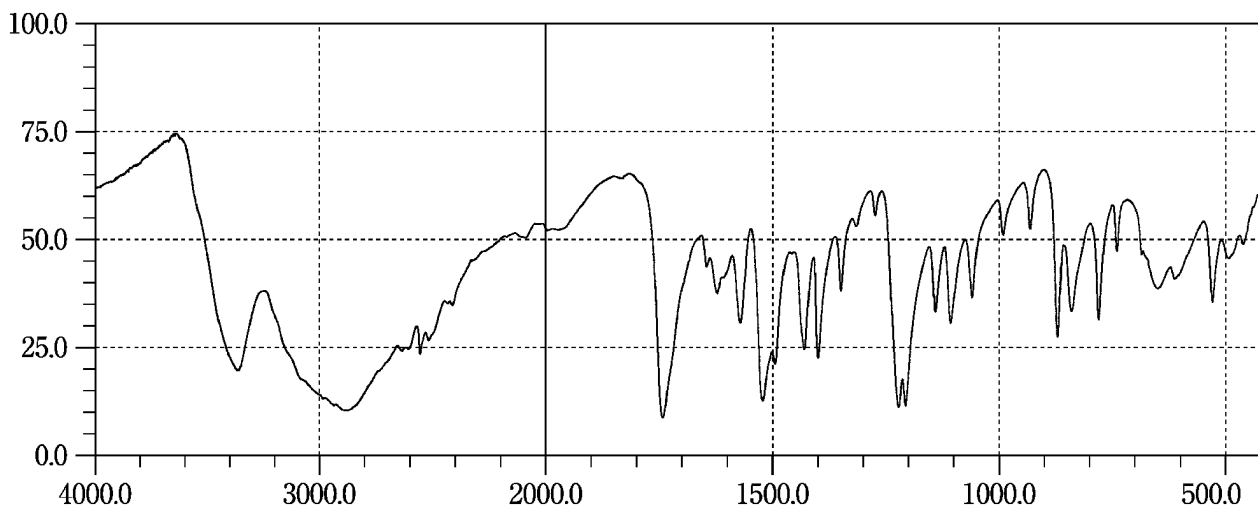
**Cloperastine Hydrochloride****Clorazepate Dipotassium****Clotrimazole**

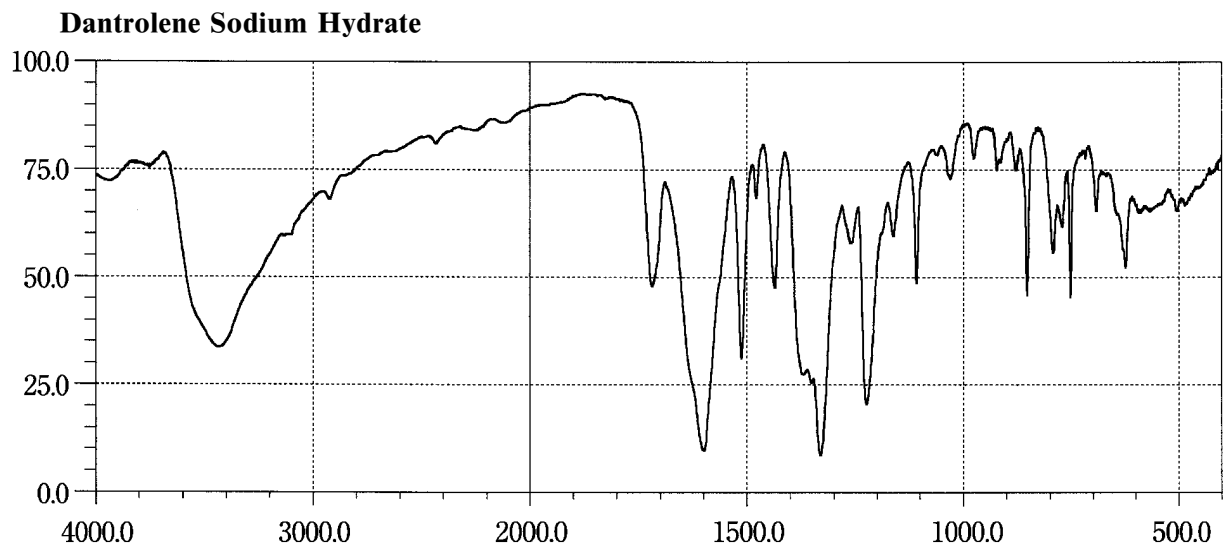
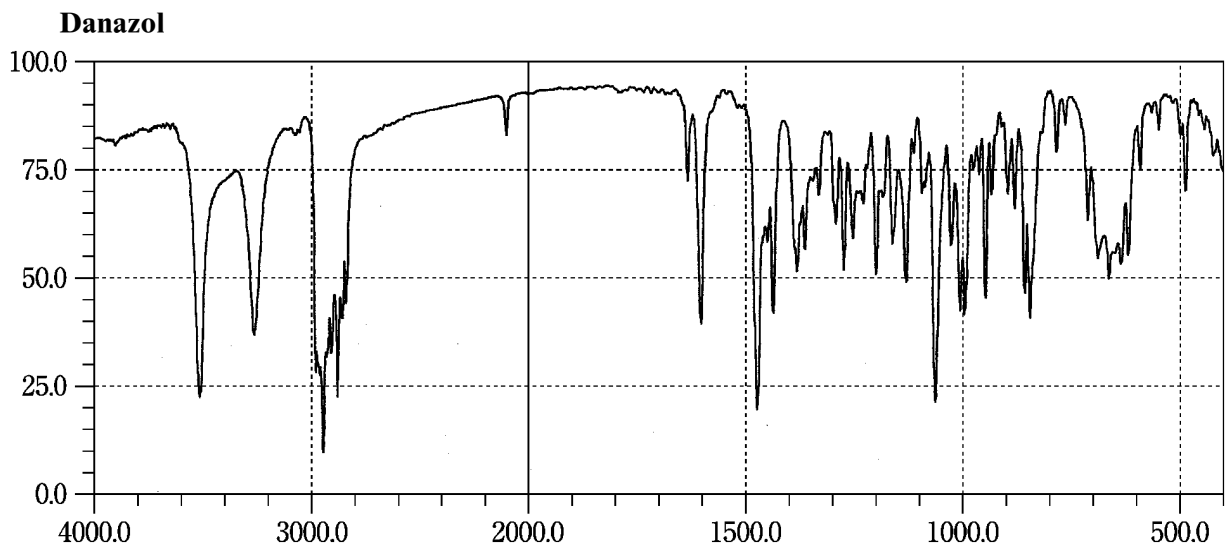
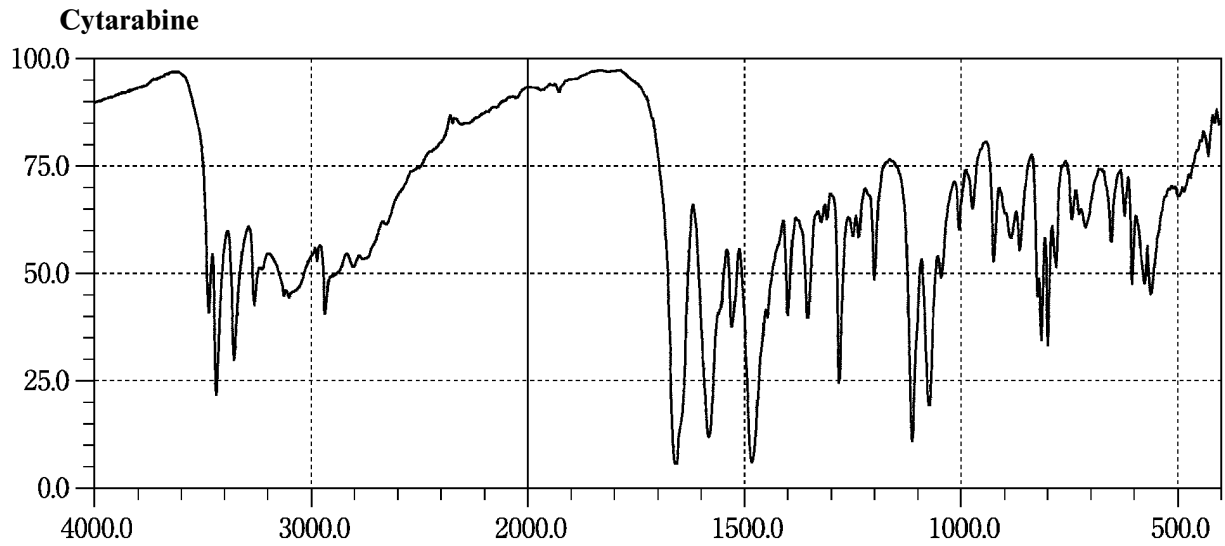
**Cloxacillin Sodium Hydrate****Cocaine Hydrochloride****Codeine Phosphate Hydrate**

**Colchicine****Colistin Sodium Methanesulfonate****Cortisone Acetate**

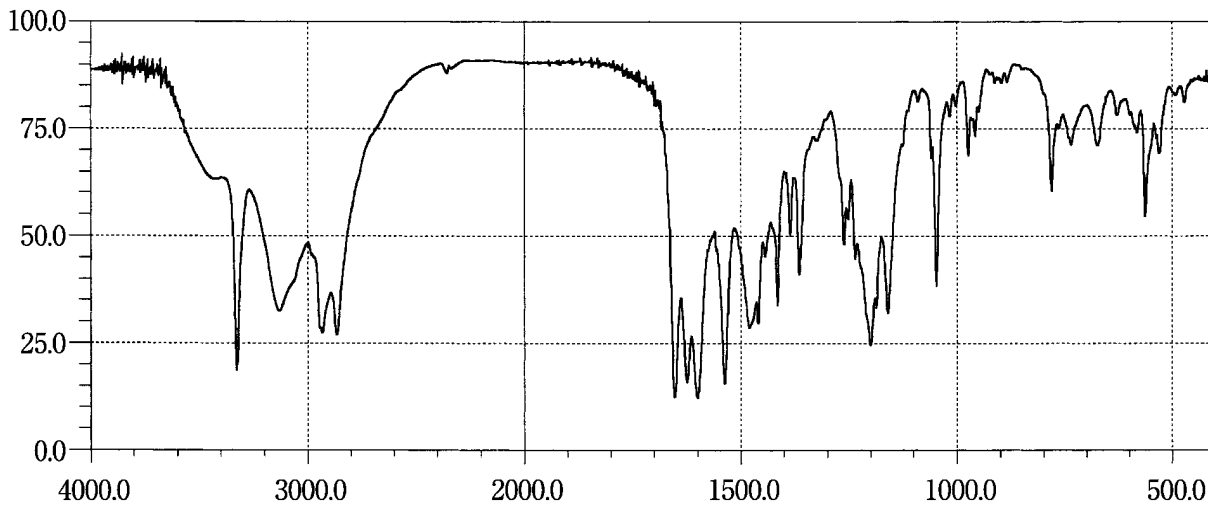
**Croconazole Hydrochloride****Cyanamide****Cyclopentolate Hydrochloride**



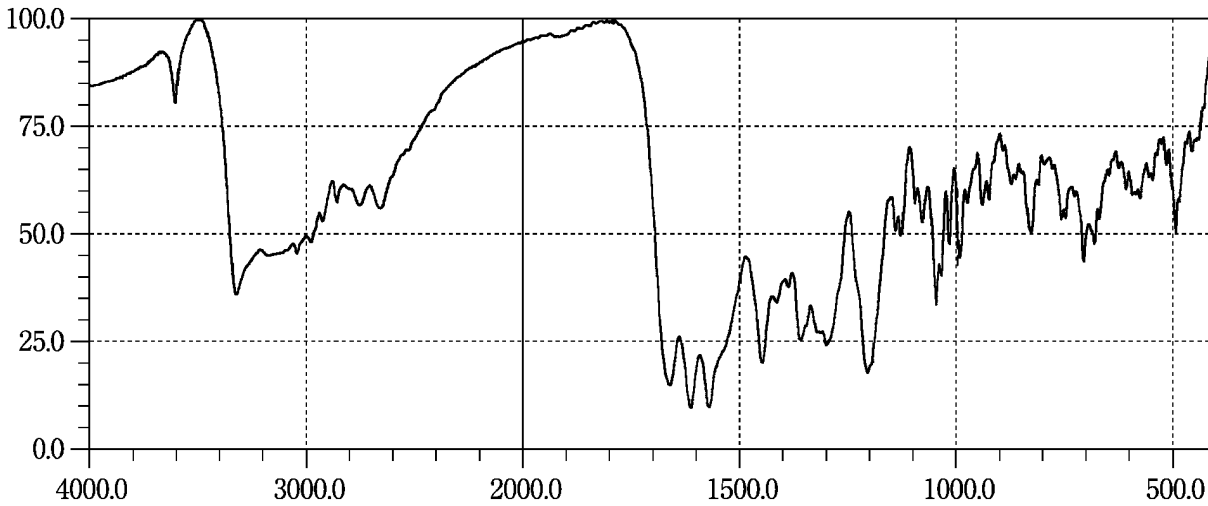
**Cycloserine****L-Cysteine****L-Cysteine Hydrochloride Hydrate**



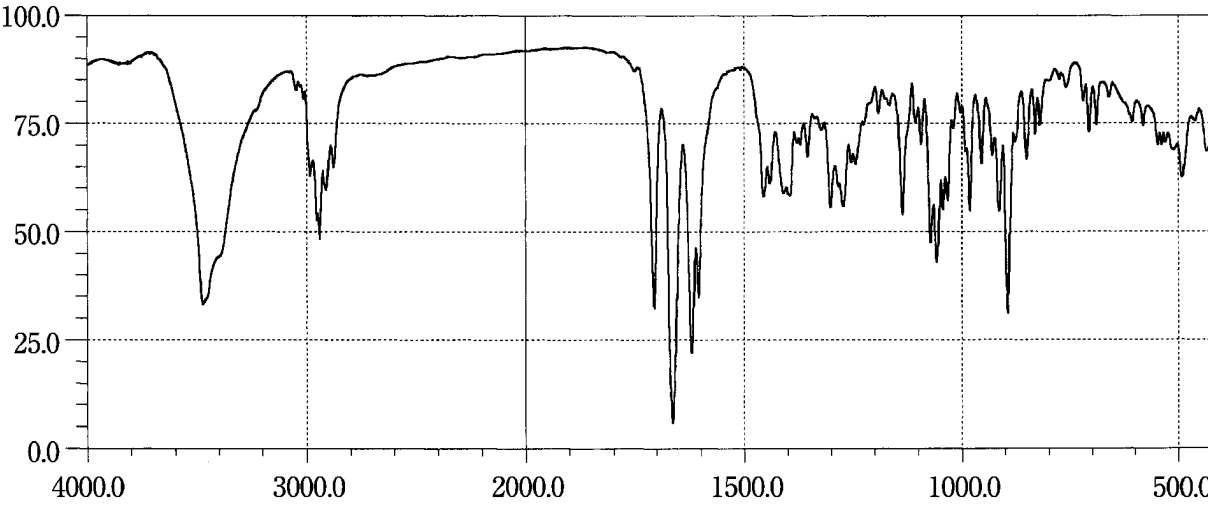
**Deferoxamine Mesilate**

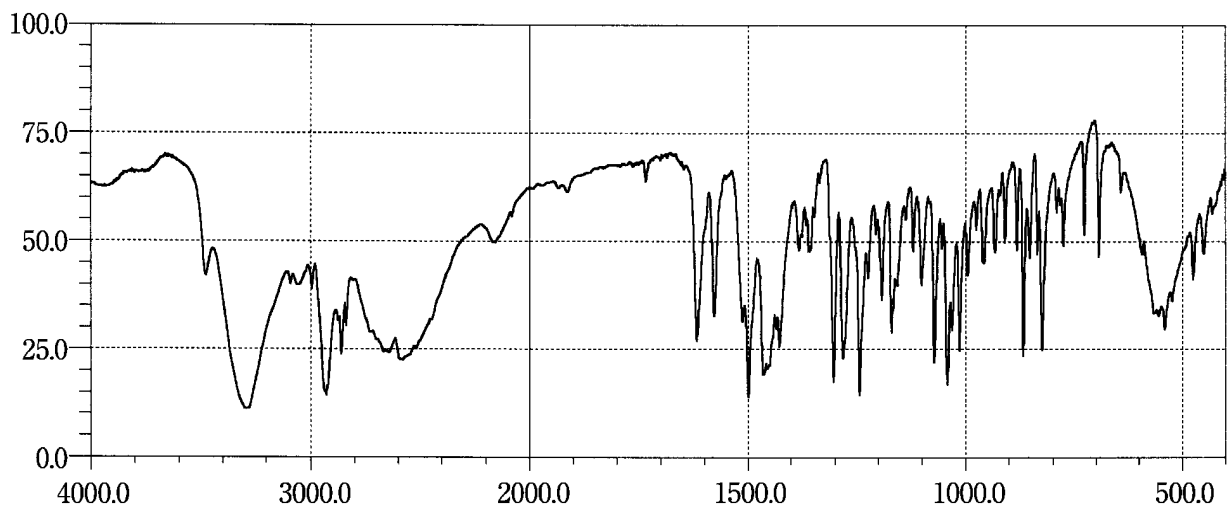
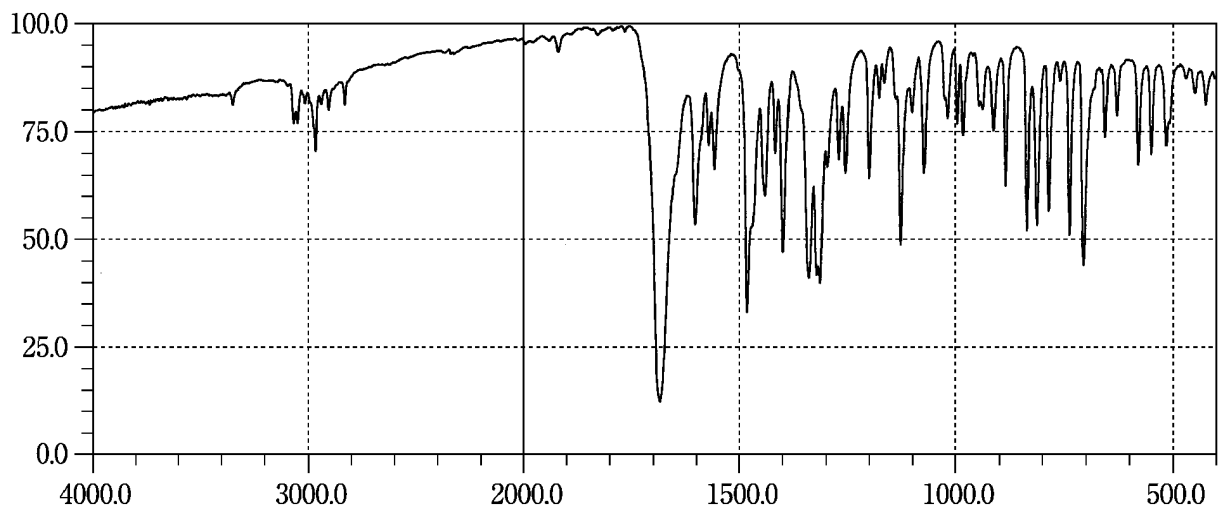
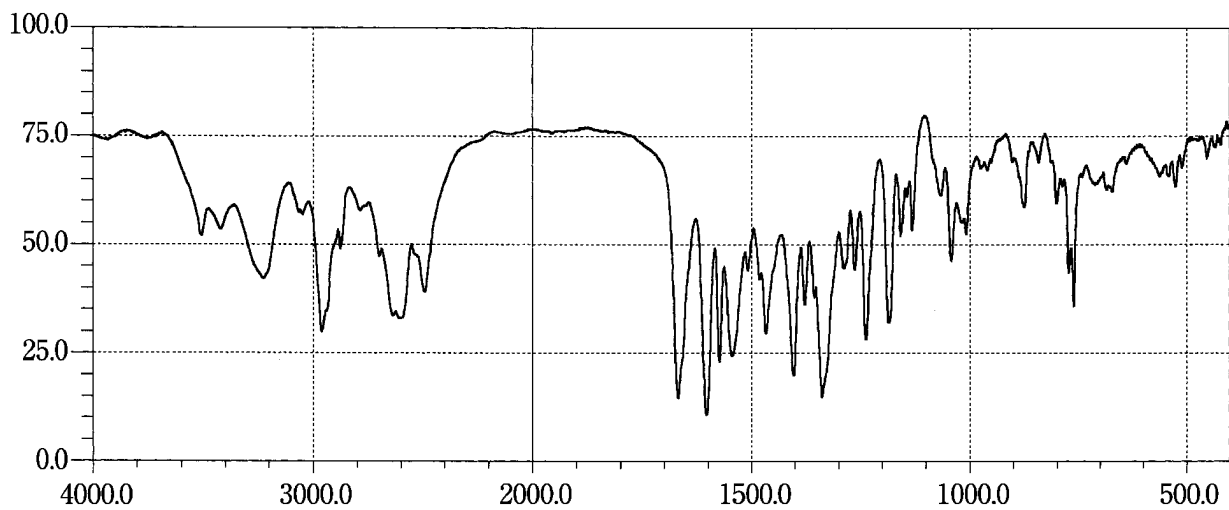


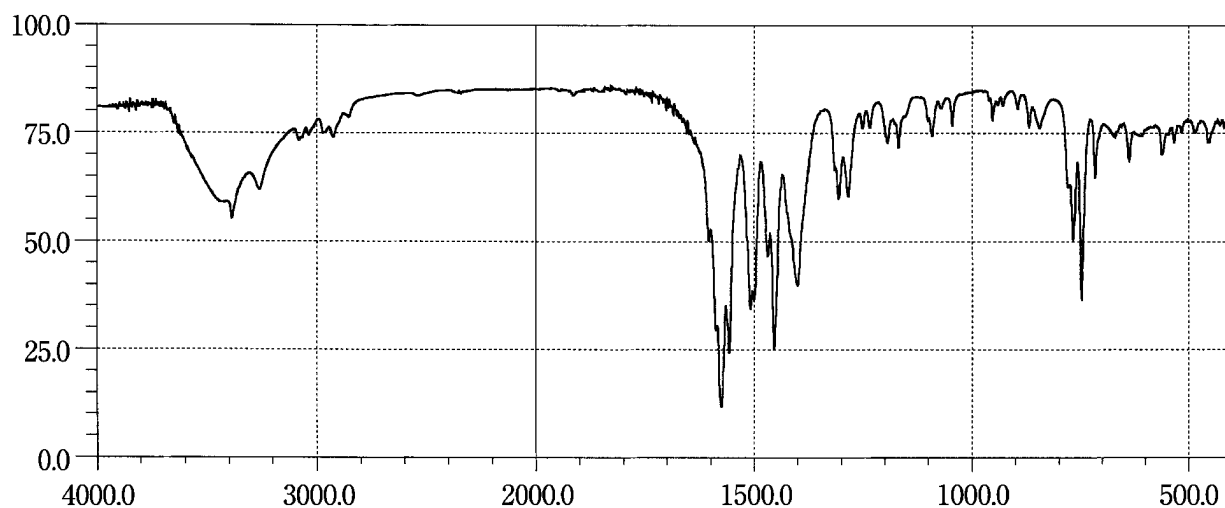
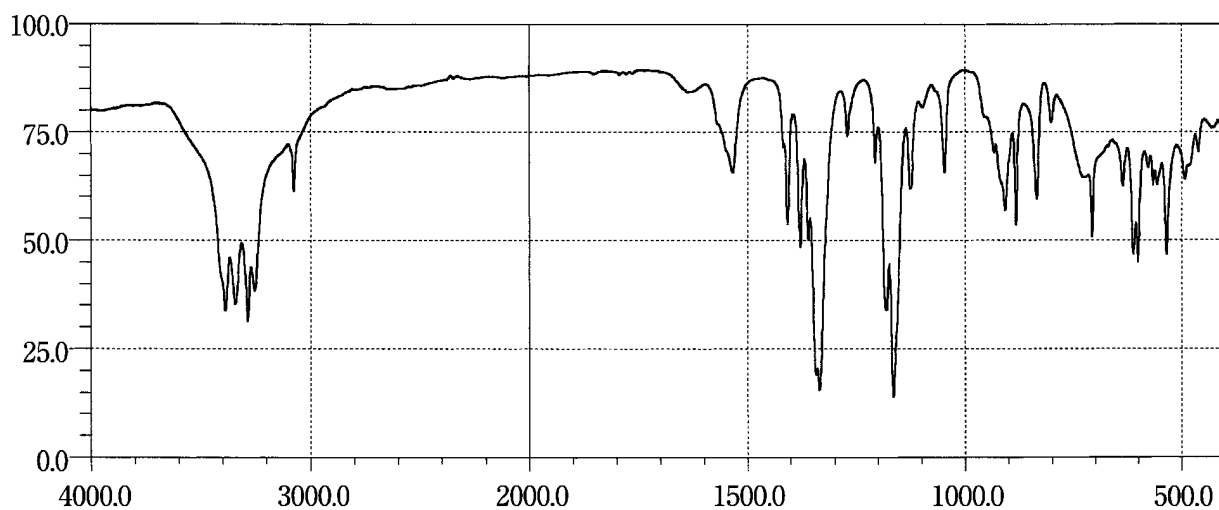
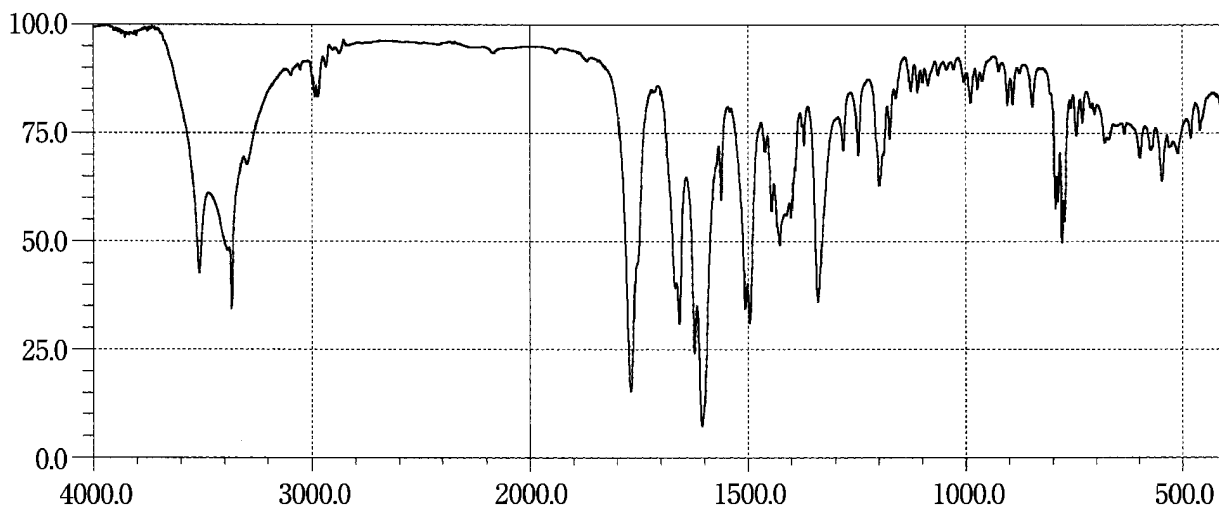
**Demethylchlortetracycline Hydrochloride**

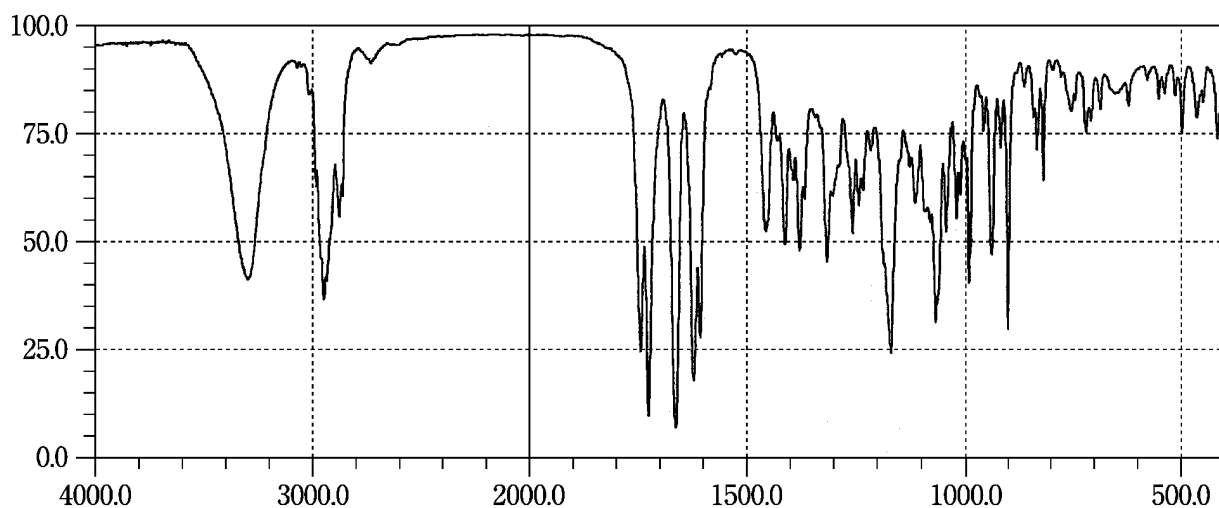
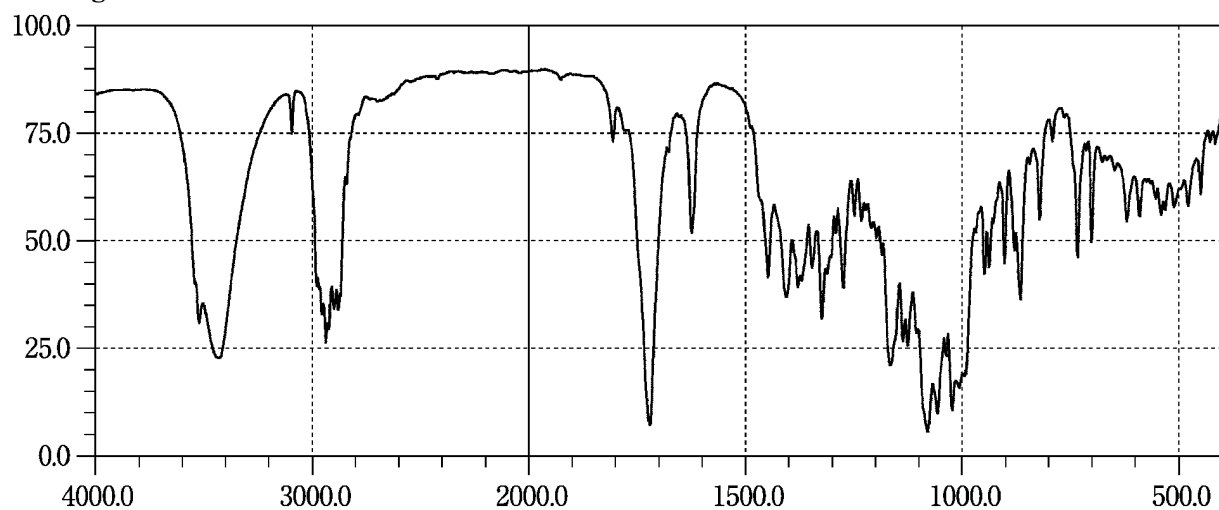
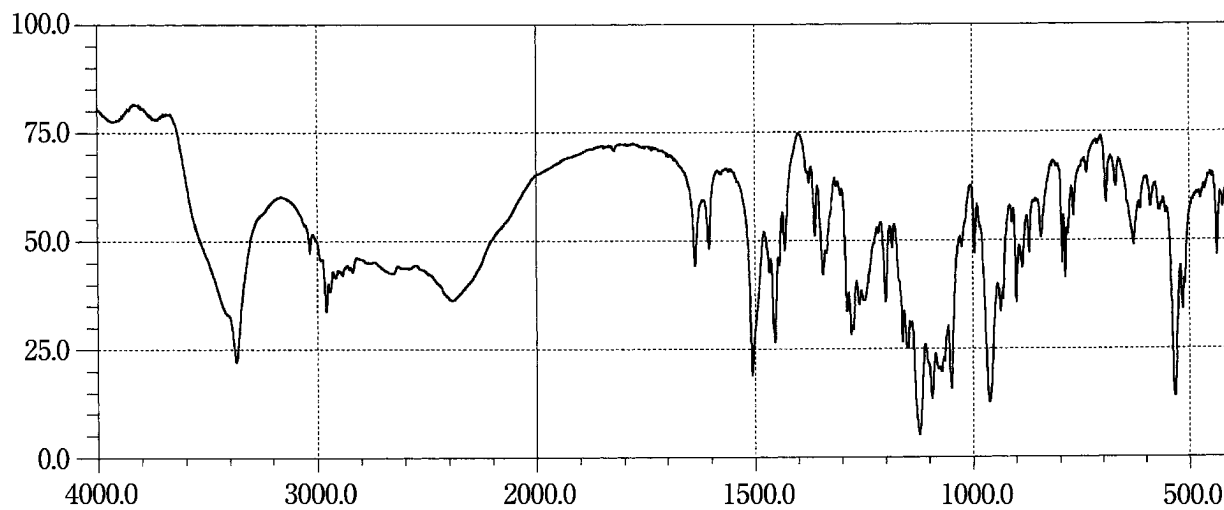


**Dexamethasone**

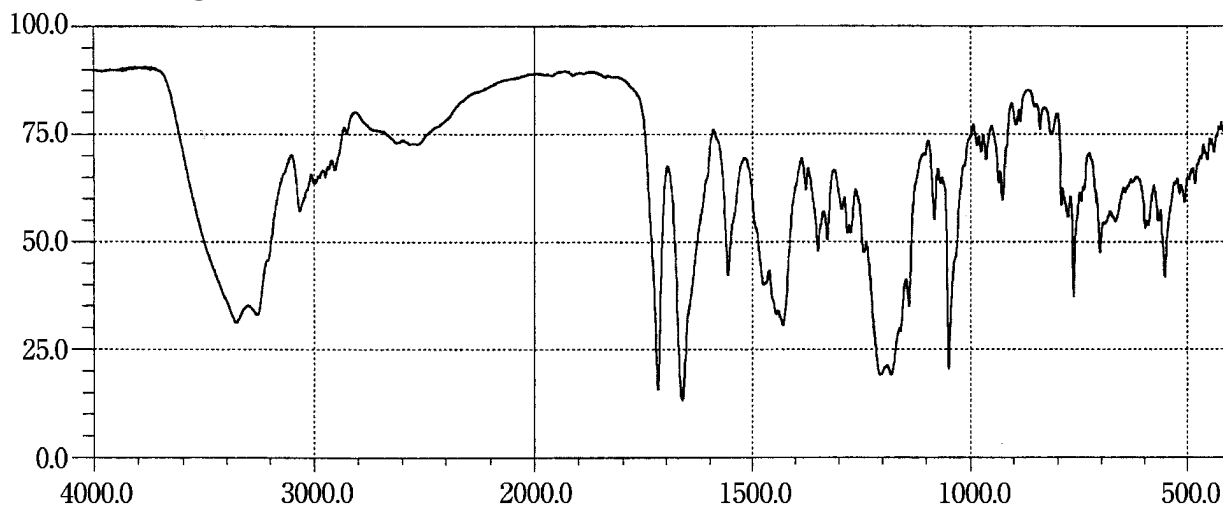


**Dextromethorphan Hydrobromide Hydrate****Diazepam****Dibucaine Hydrochloride**

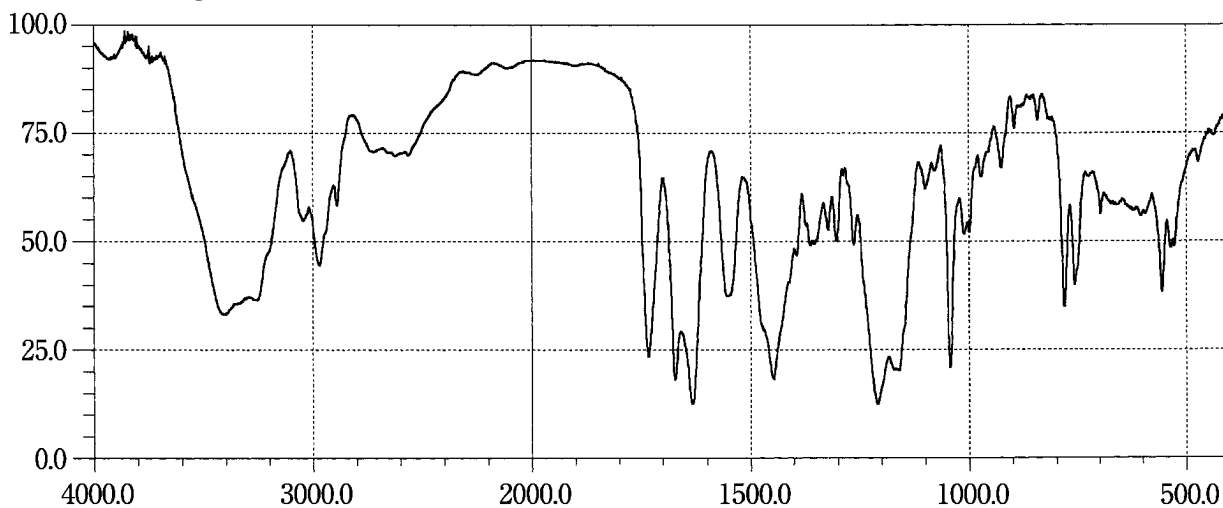
**Diclofenac Sodium****Diclofenamide****Dicloxacillin Sodium Hydrate**

**Diflucortolone Valerate****Digoxin****Dihydrocodeine Phosphate**

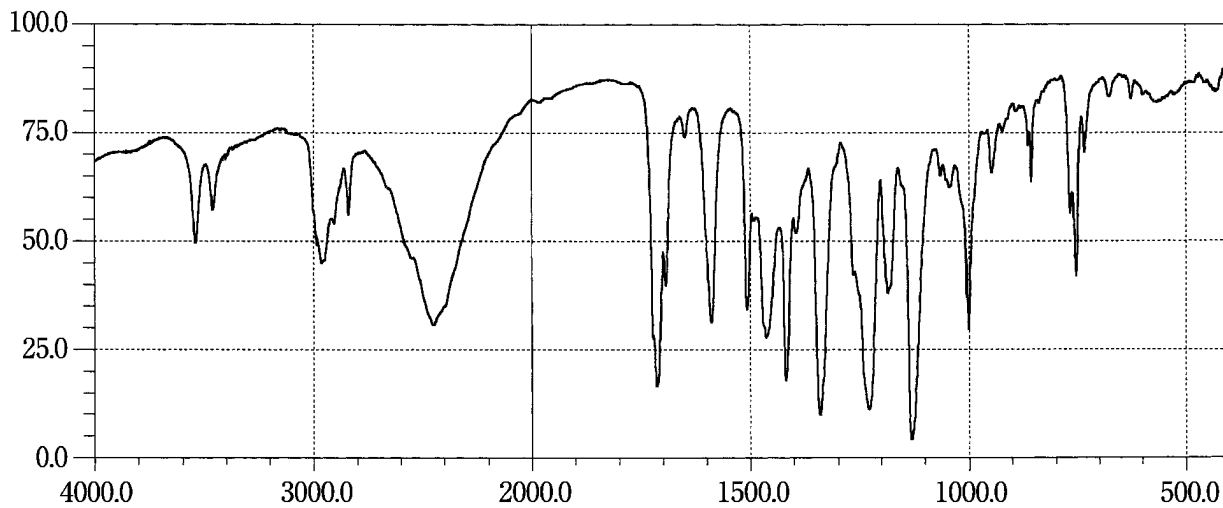
**Dihydroergotamine Mesilate**



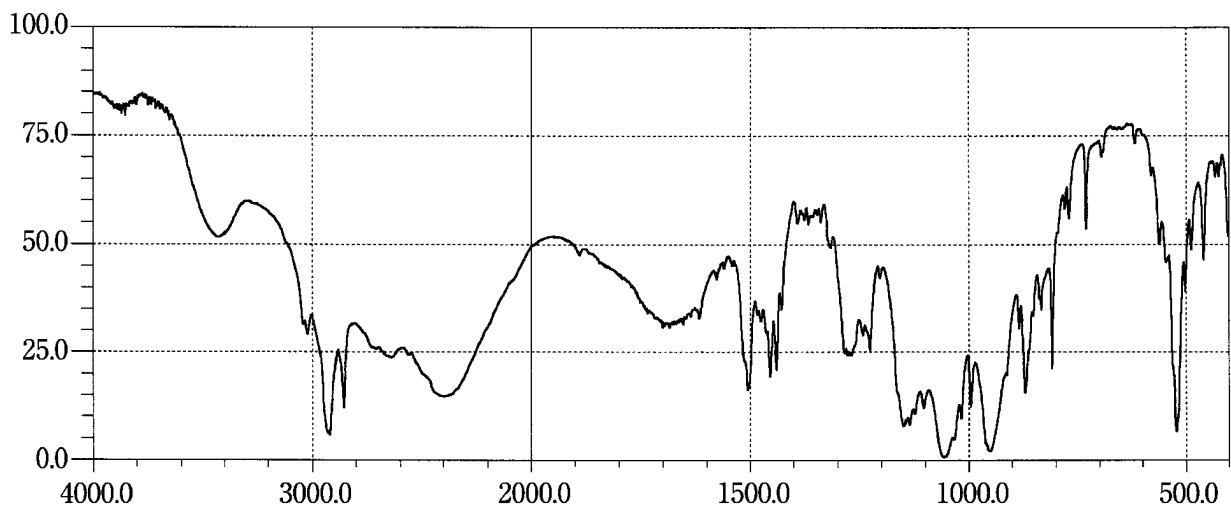
**Dihydroergotoxine Mesilate**



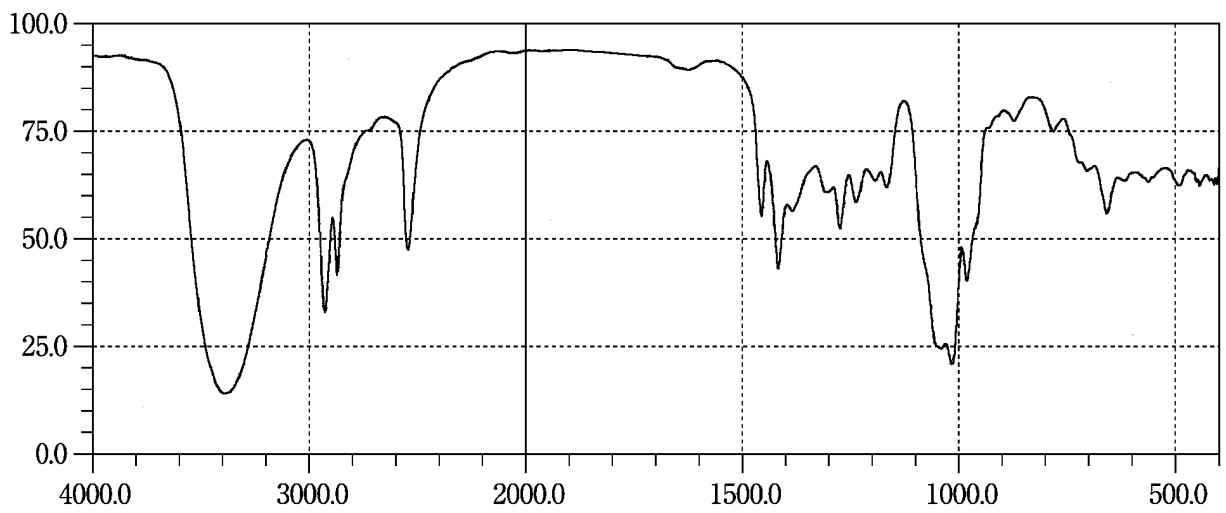
**Dilazep Hydrochloride Hydrate**



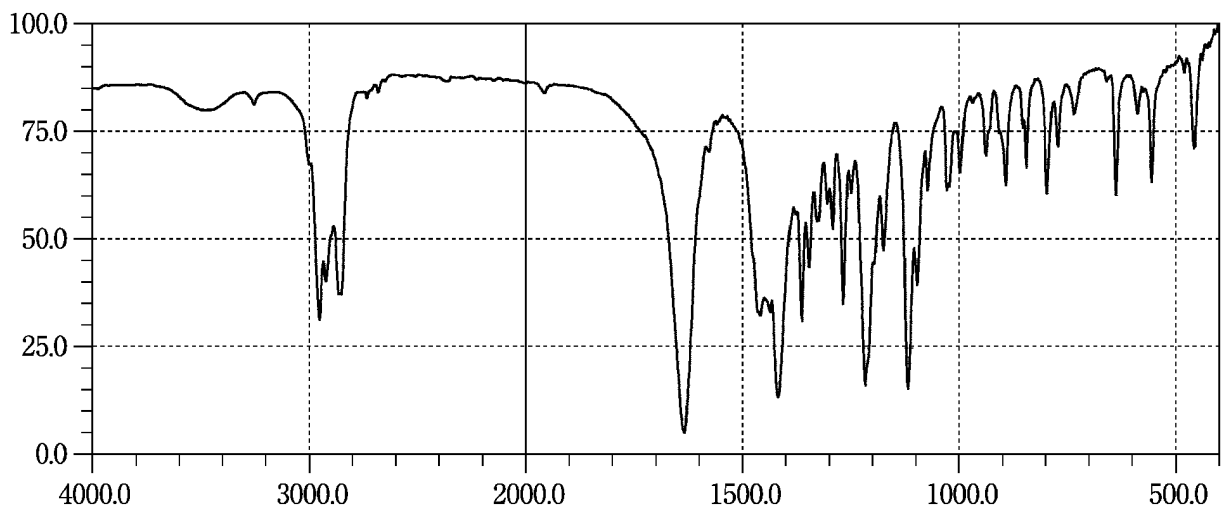
**Dimemorfan Phosphate**



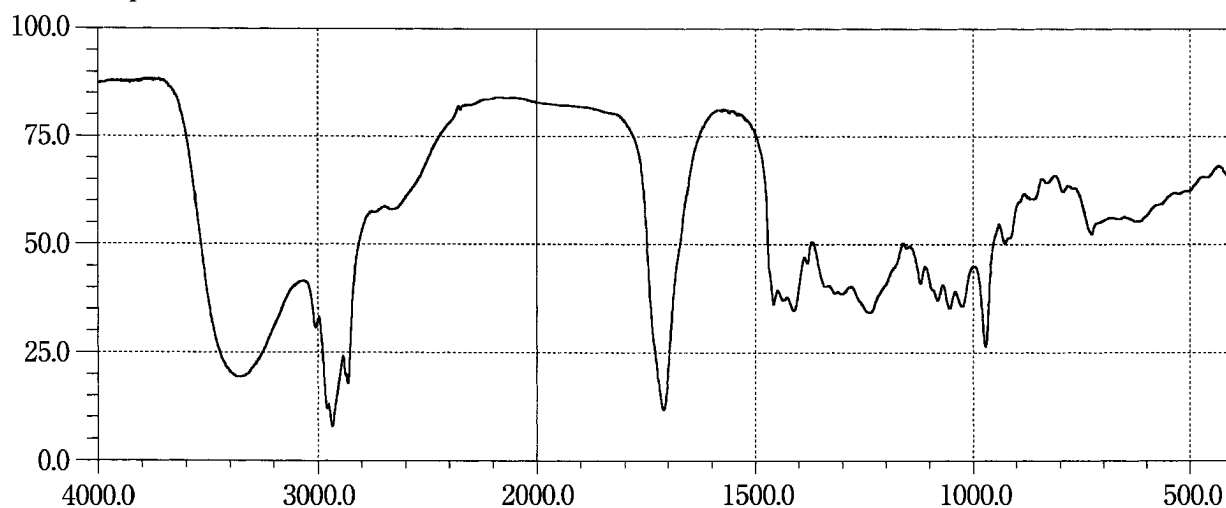
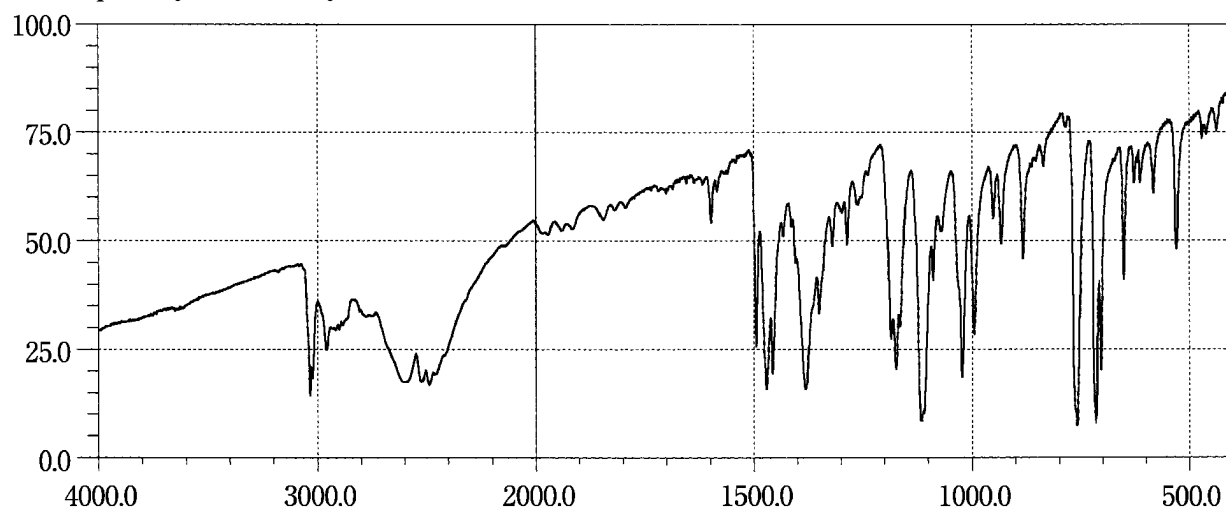
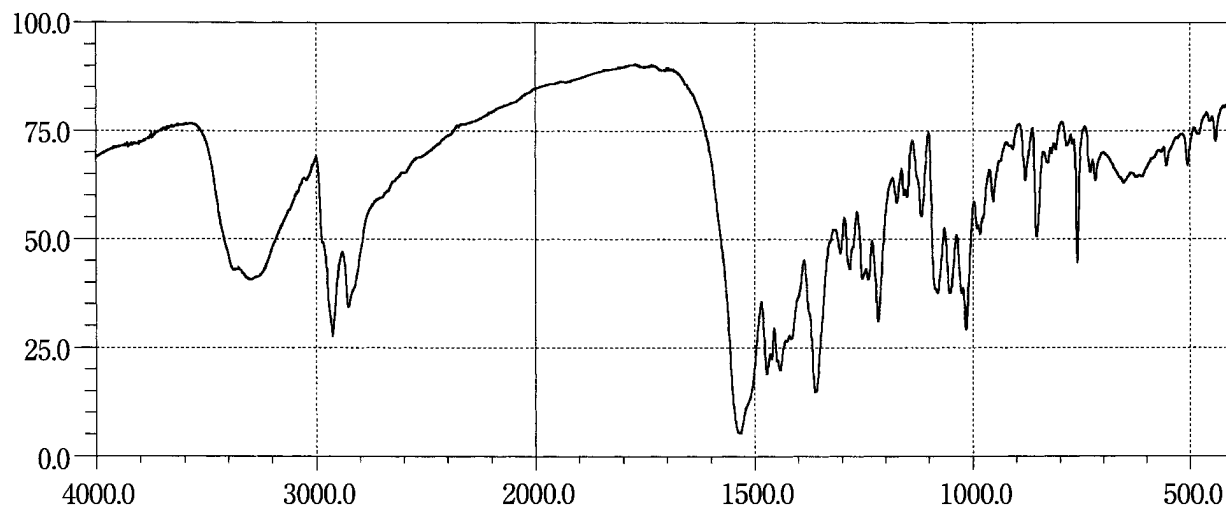
**Dimercaprol**

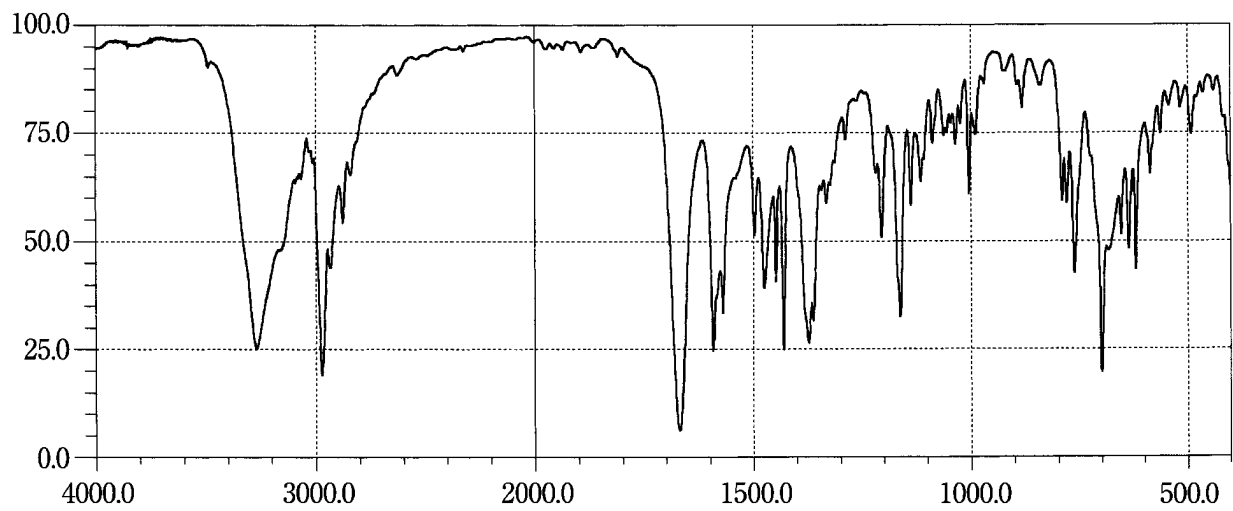
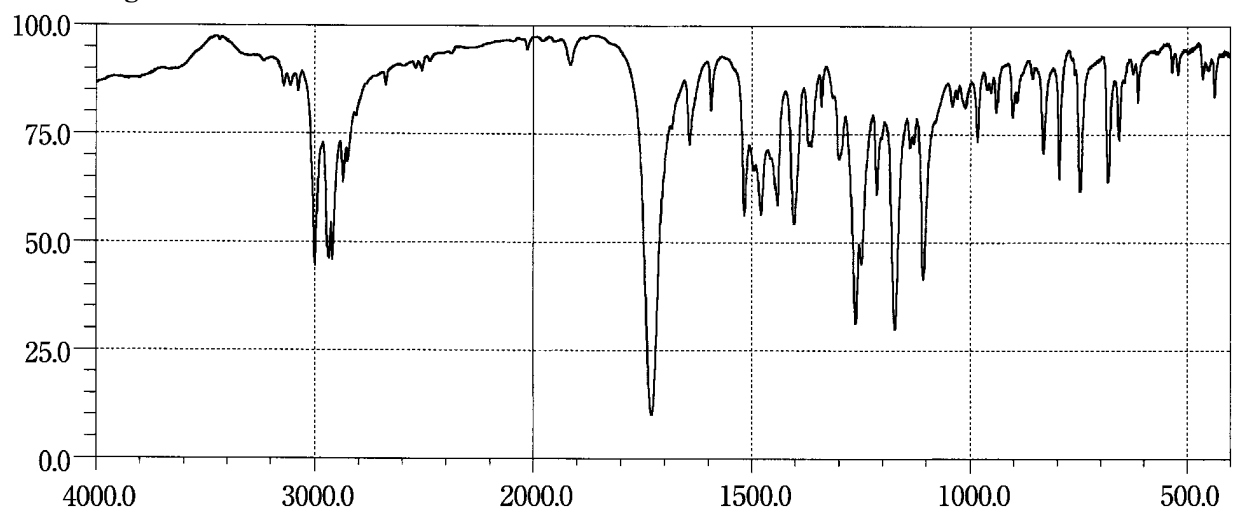
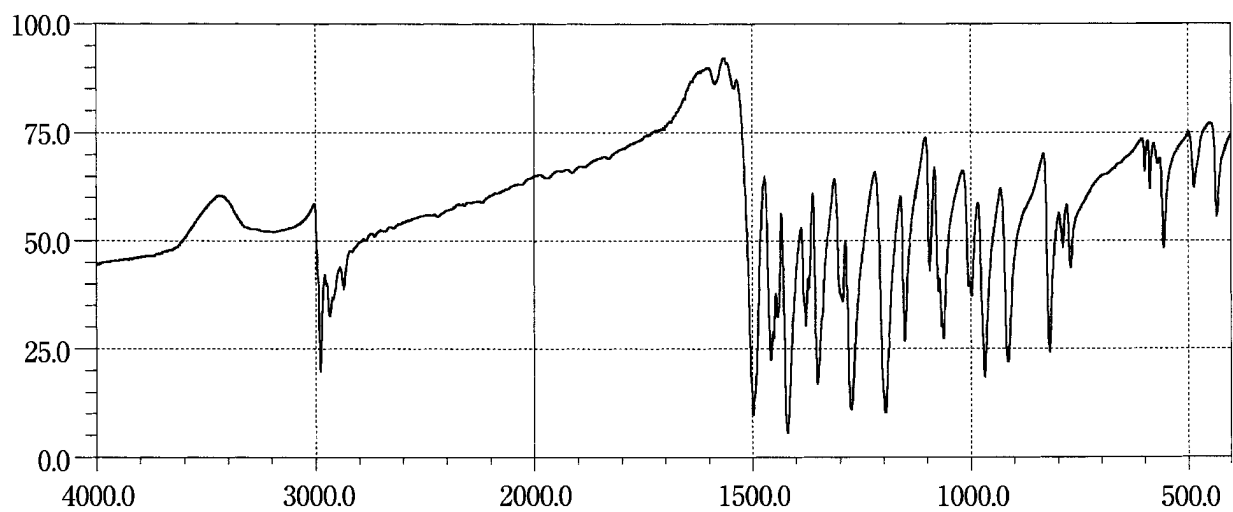


**Dimorpholamine**

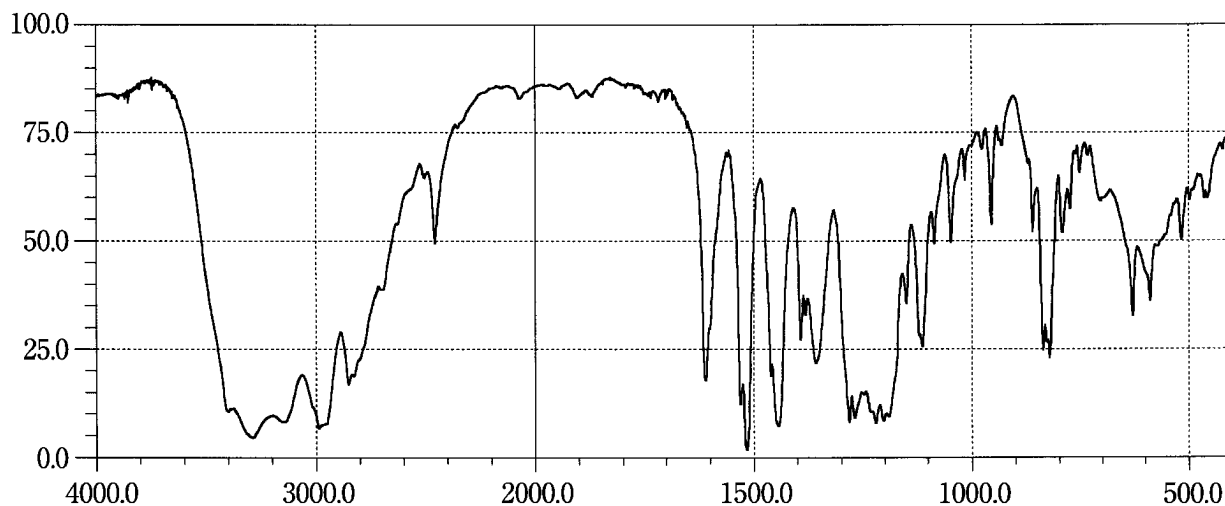




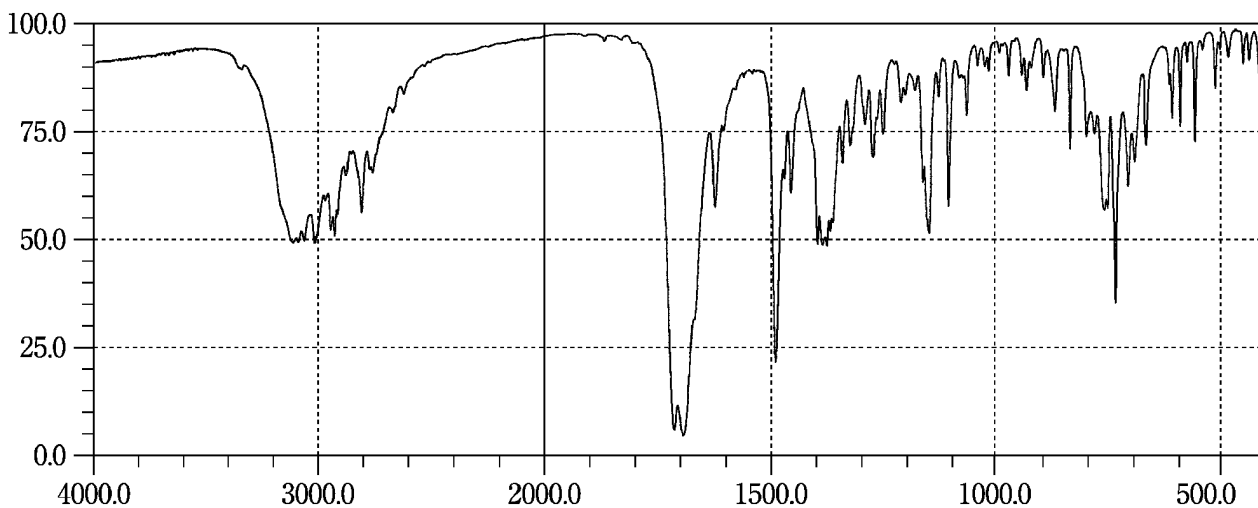
**Dinoprost****Diphenhydramine Hydrochloride****Dipyridamole**

**Disopyramide****Distigmine Bromide****Disulfiram**

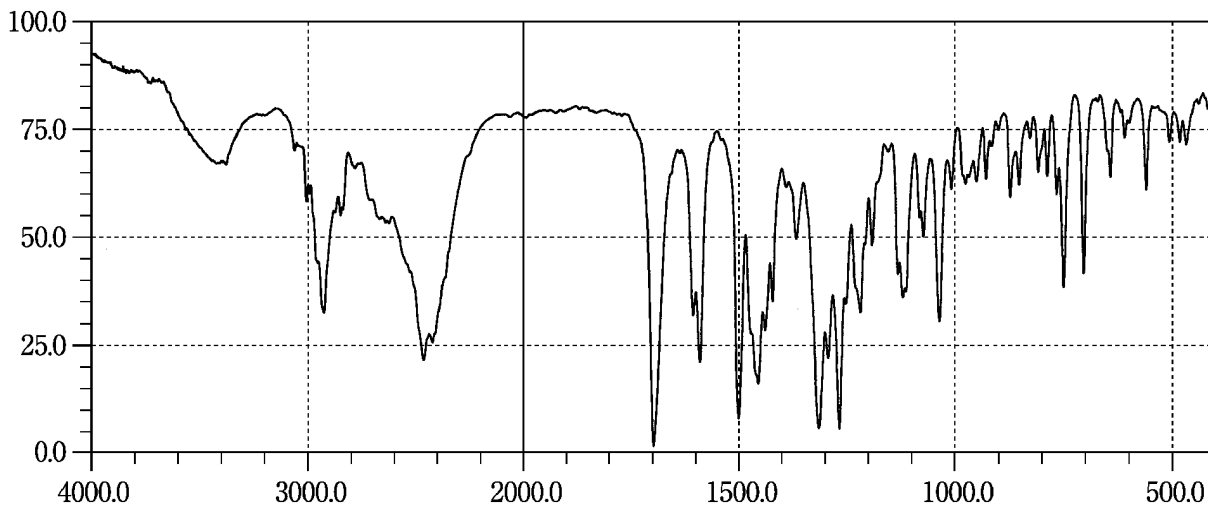
**Dobutamine Hydrochloride**

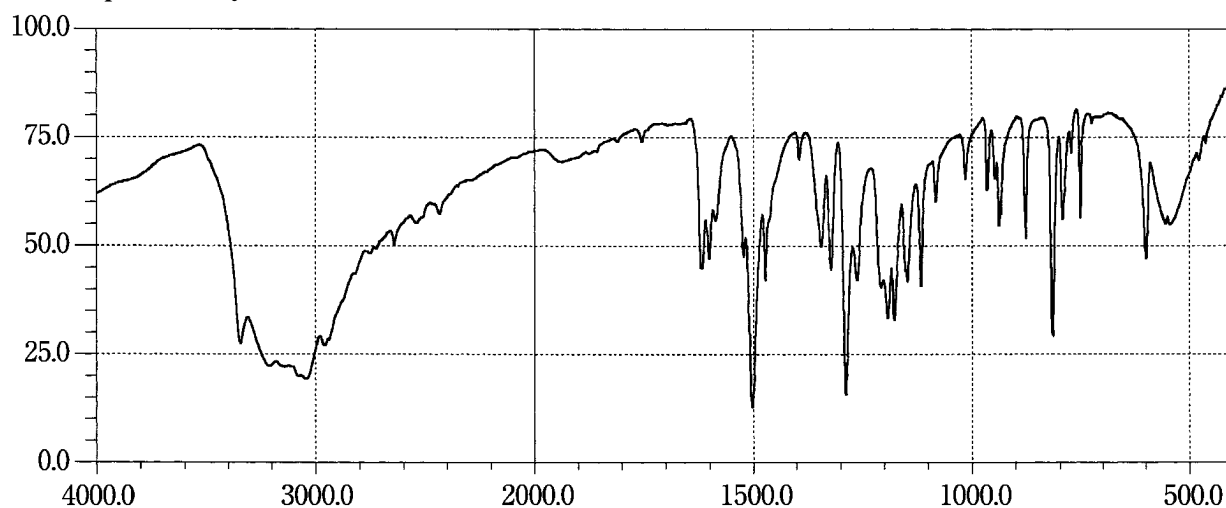
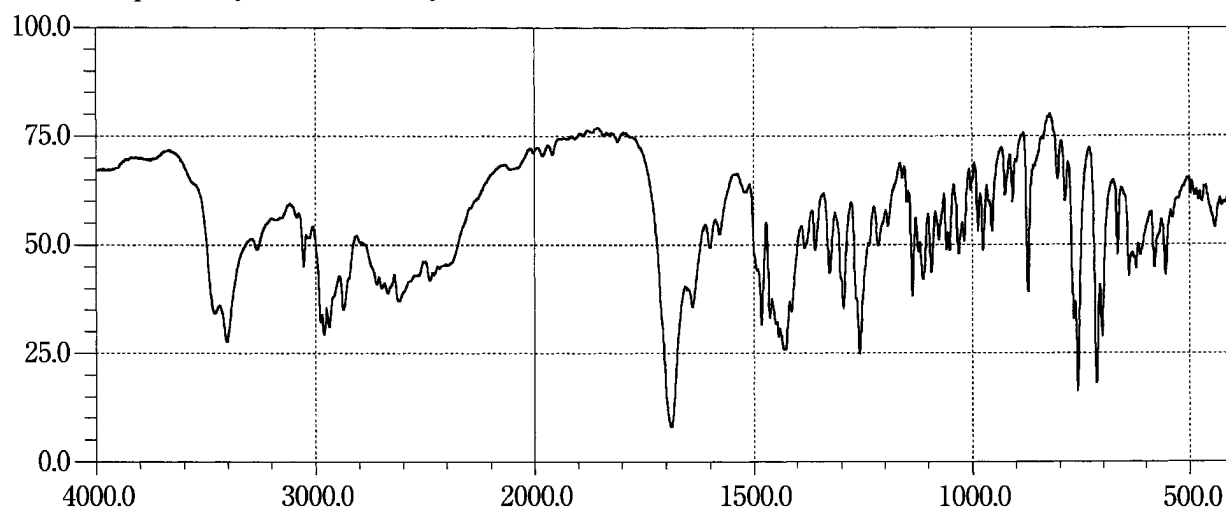
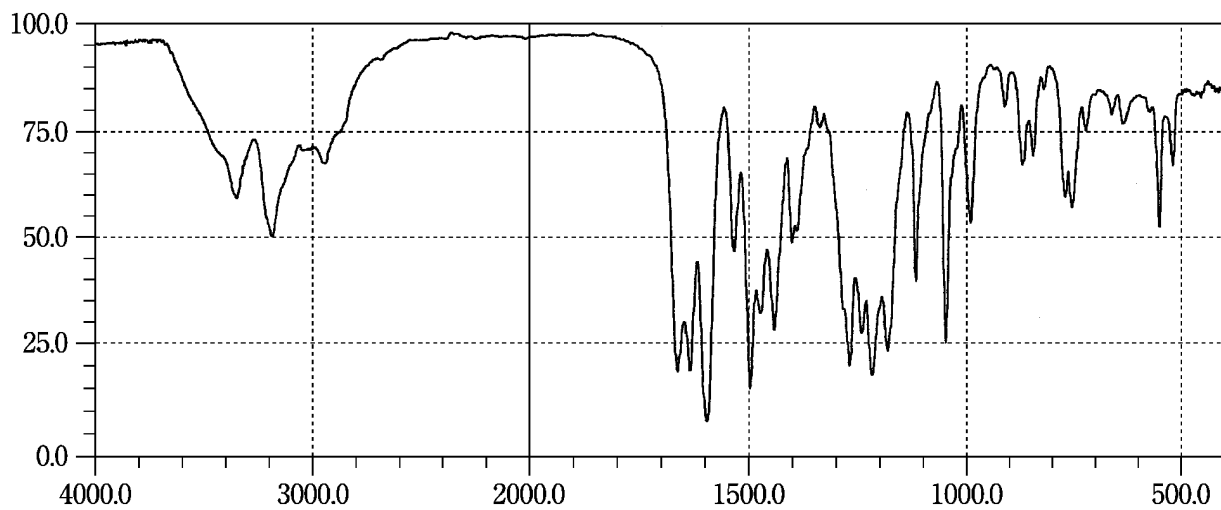


**Domperidone**

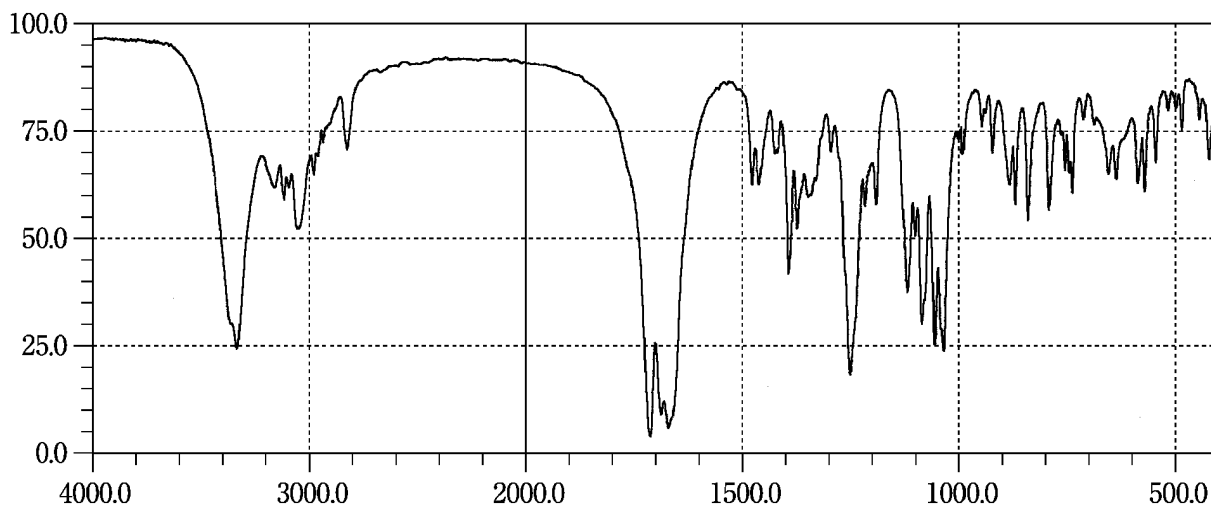


**Donepezil Hydrochloride**

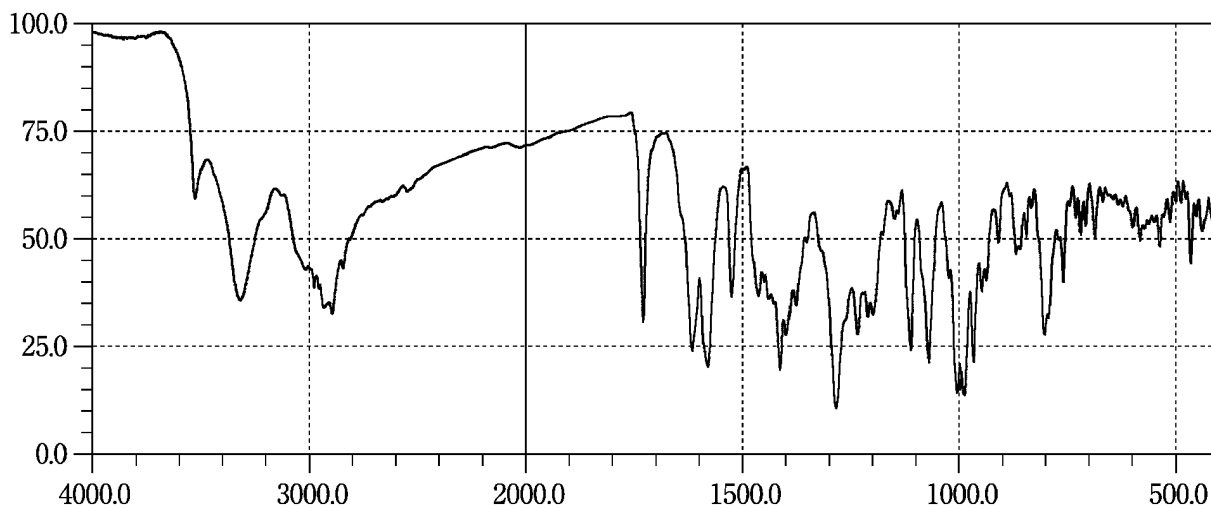


**Dopamine Hydrochloride****Doxapram Hydrochloride Hydrate****Doxazosin Mesilate**

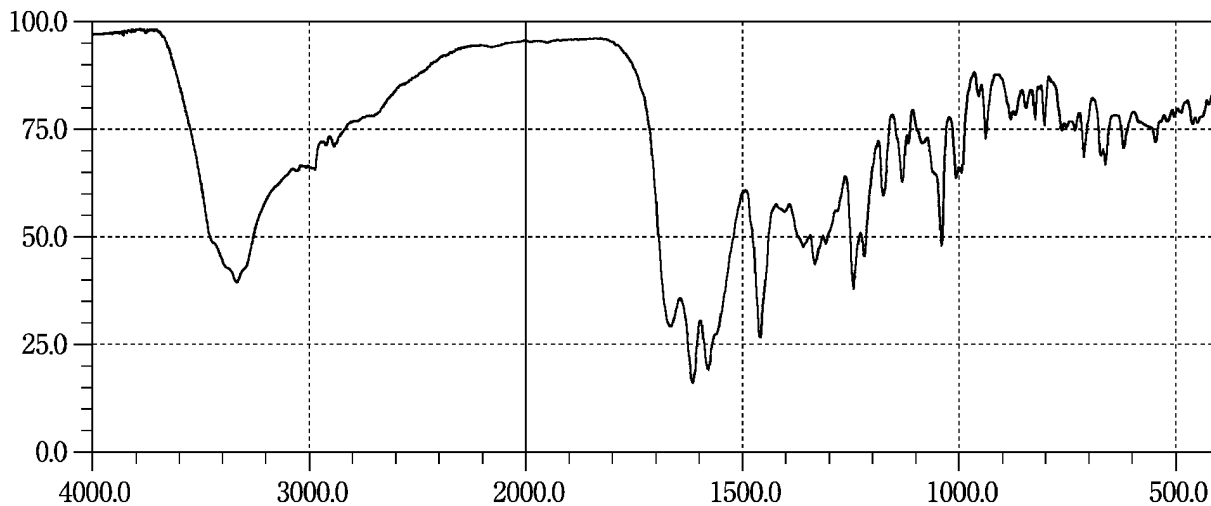
**Doxifluridine**

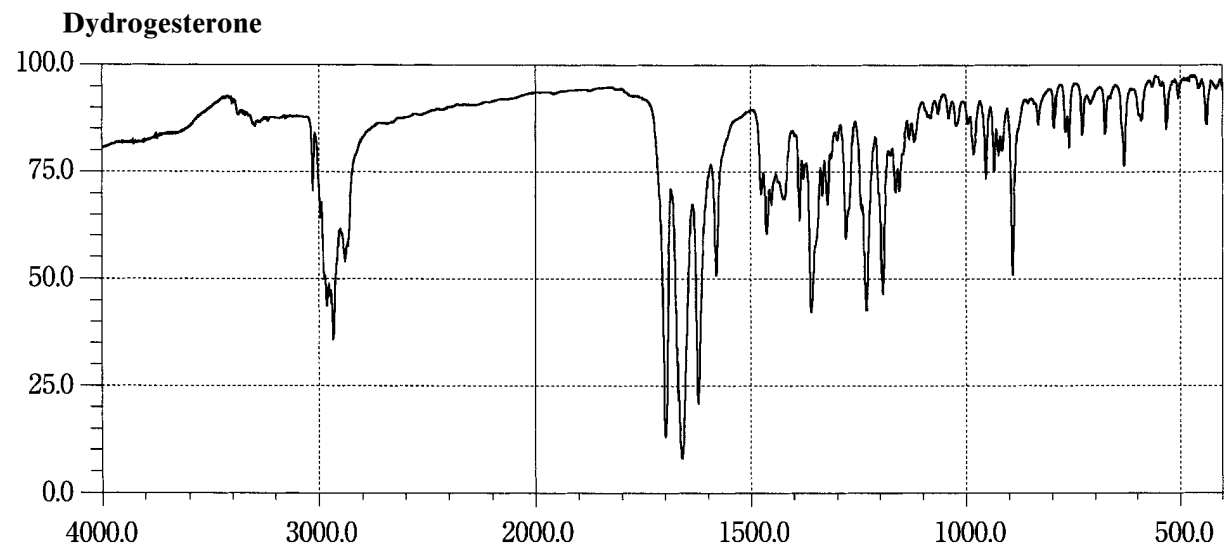
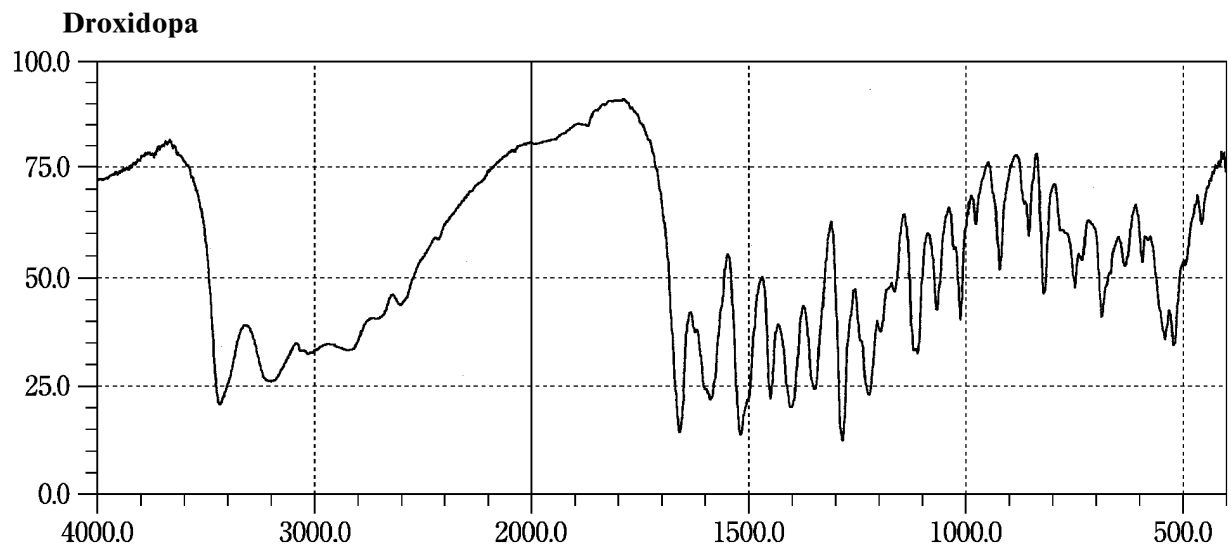
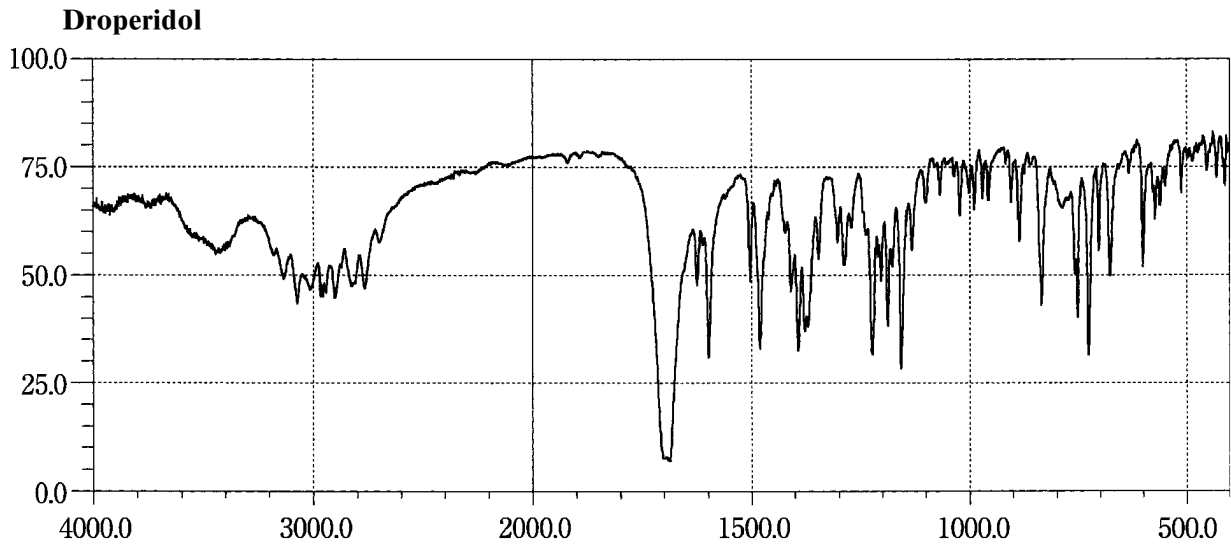


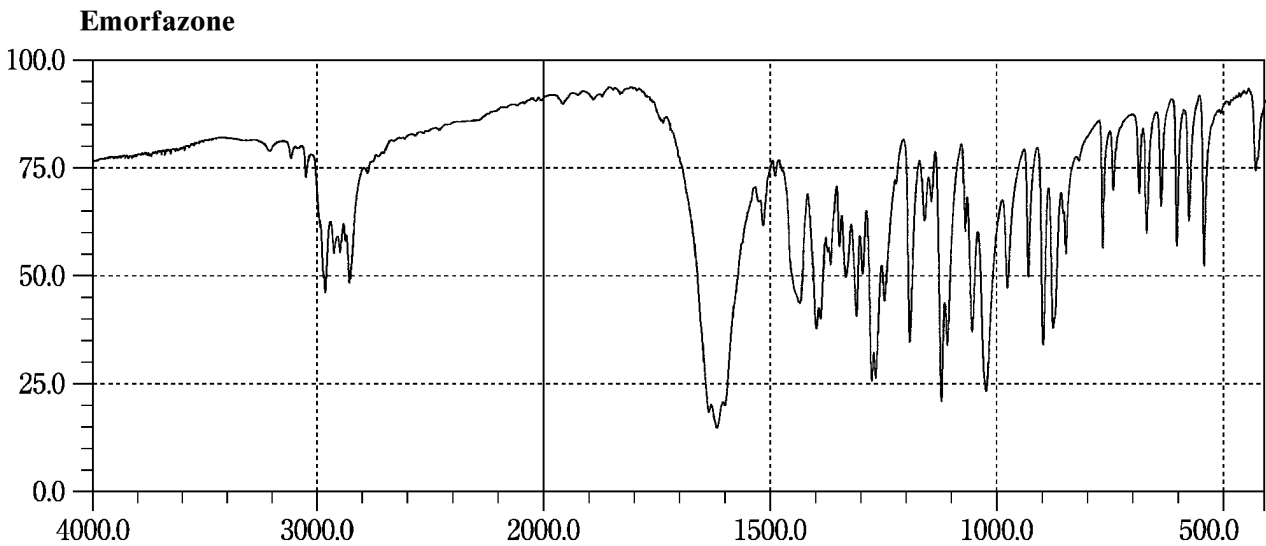
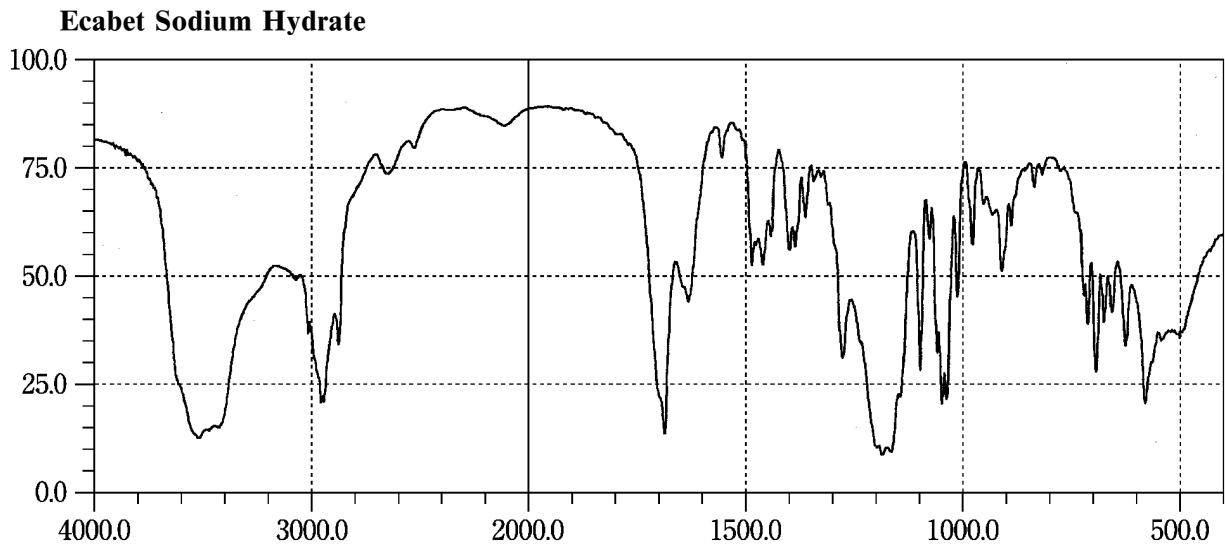
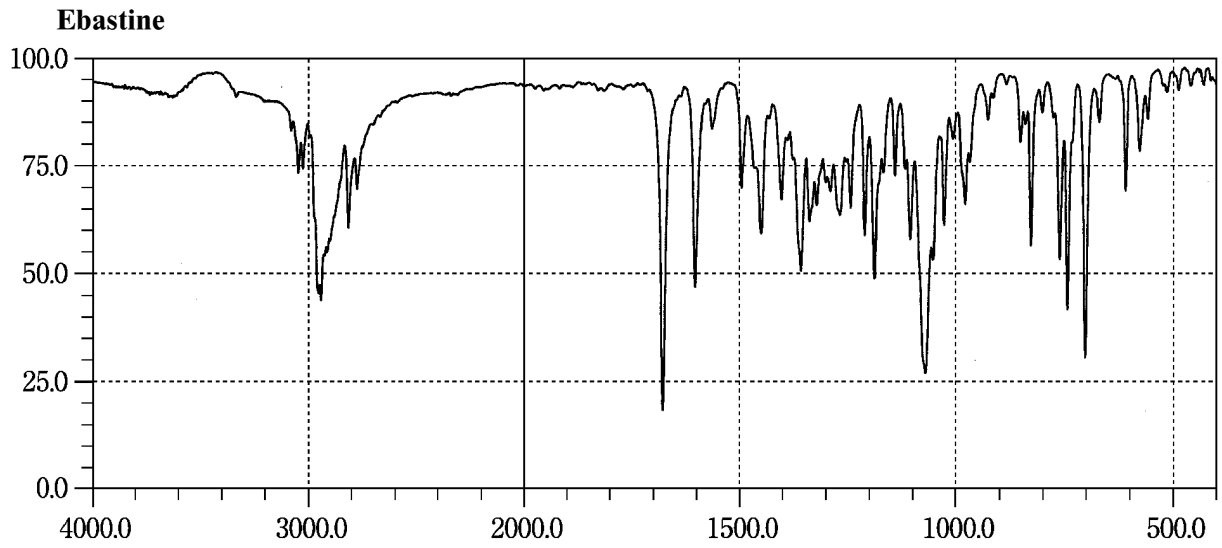
**Doxorubicin Hydrochloride**



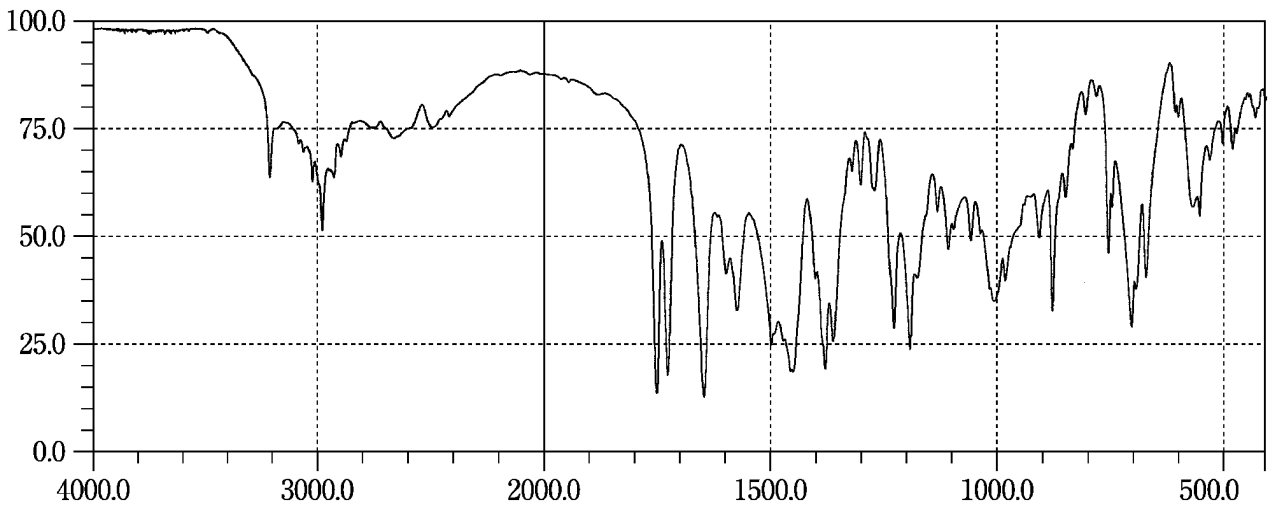
**Doxycycline Hydrochloride Hydrate**



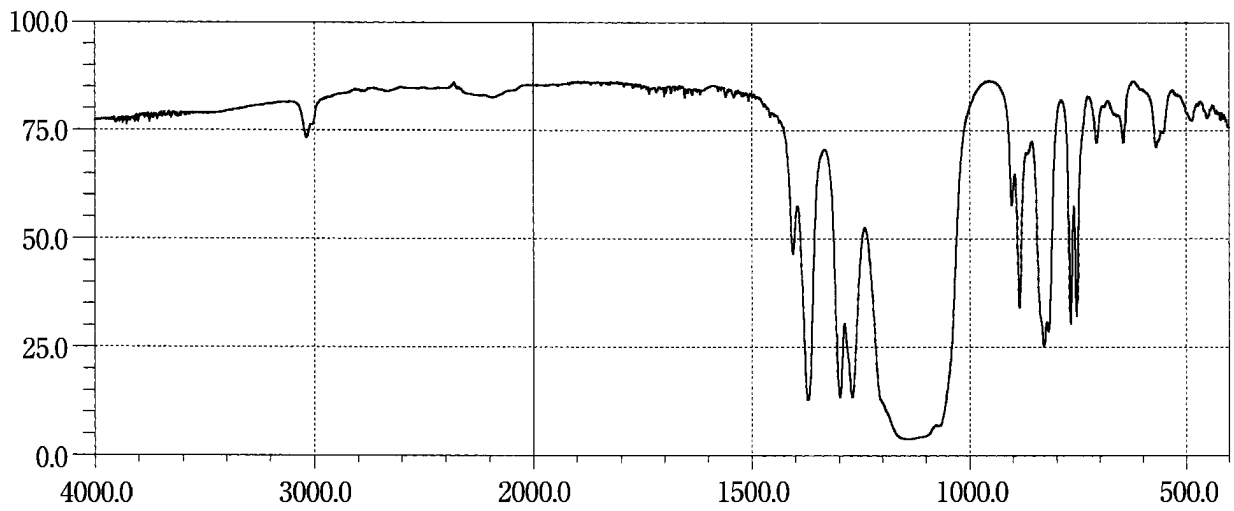




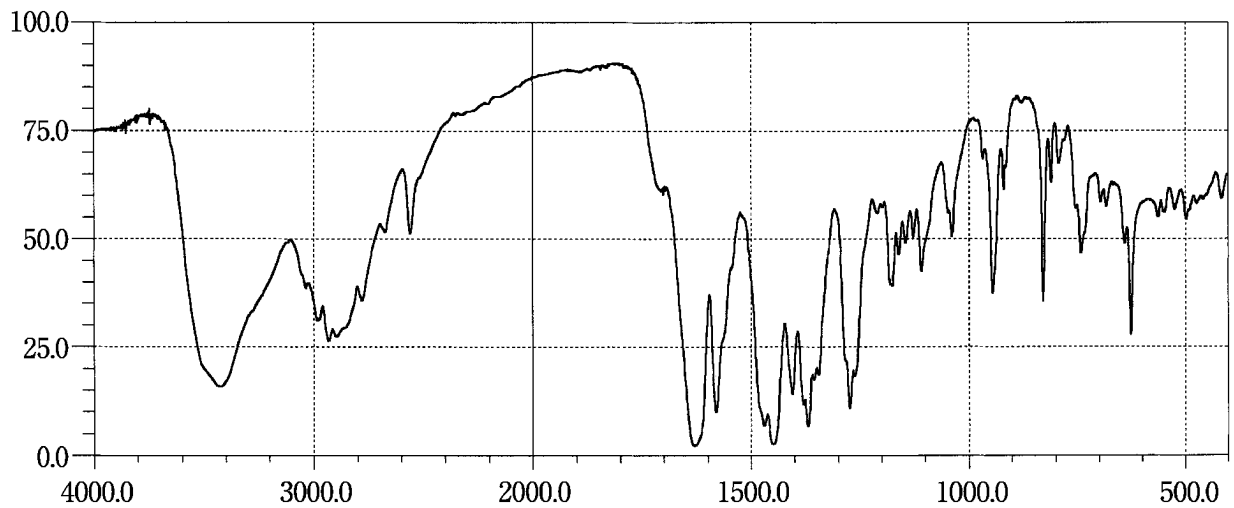
**Enalapril Maleate**



**Enflurane**

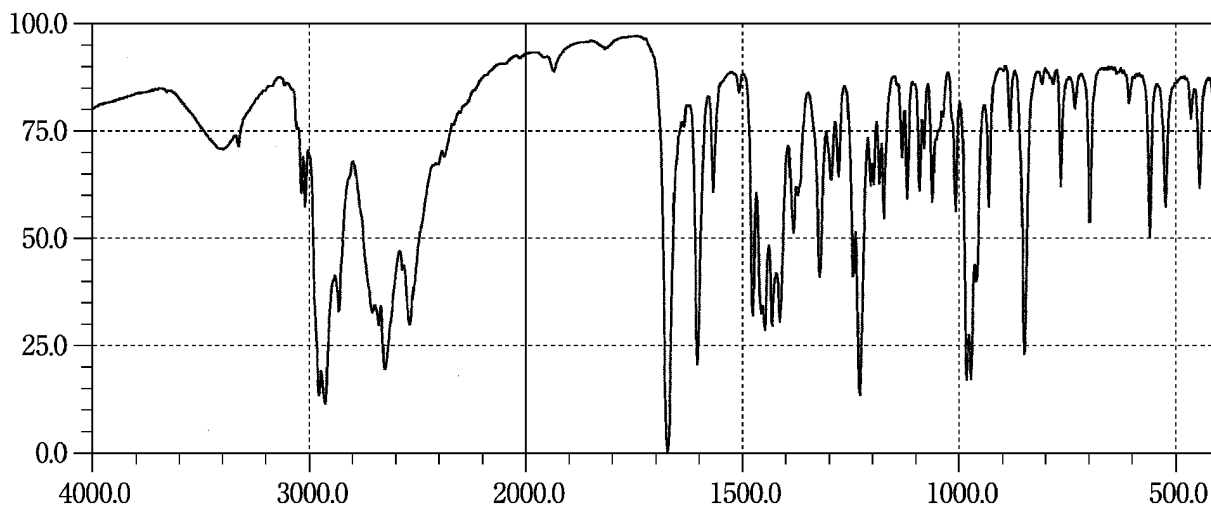


**Enoxacin Hydrate**

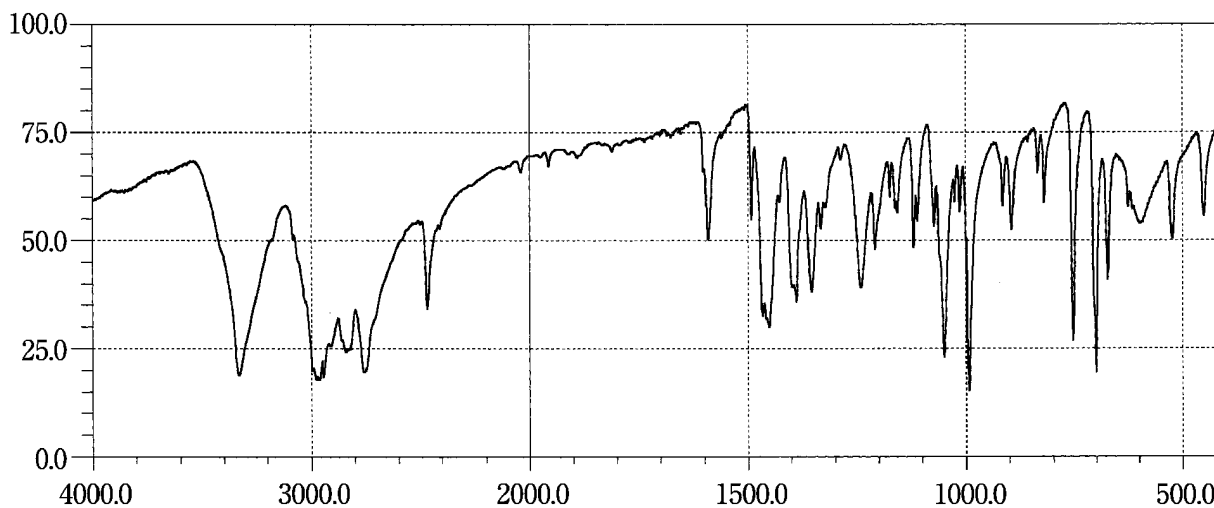




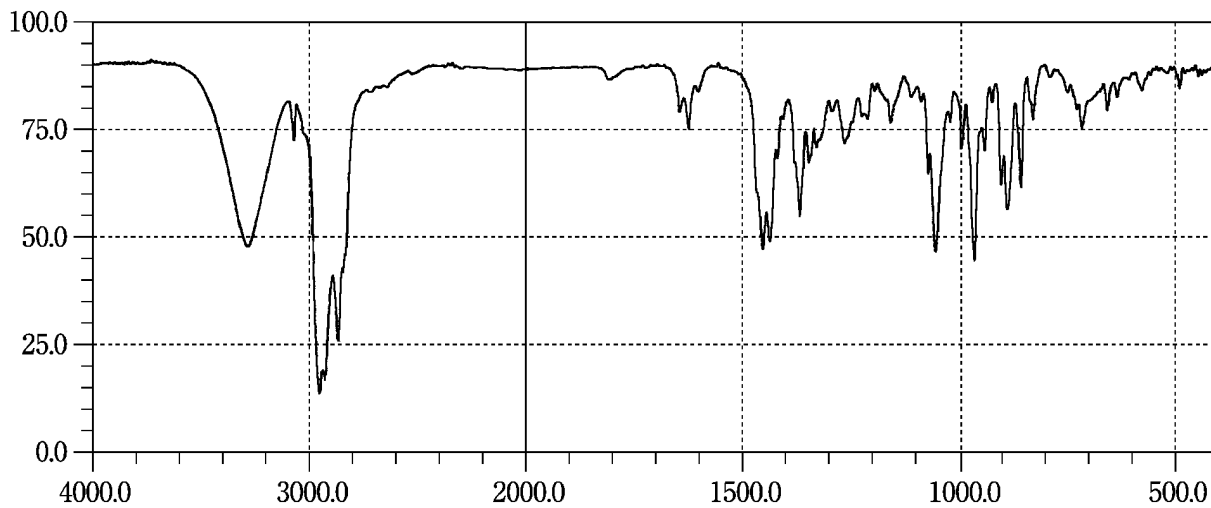
**Eperisone Hydrochloride**

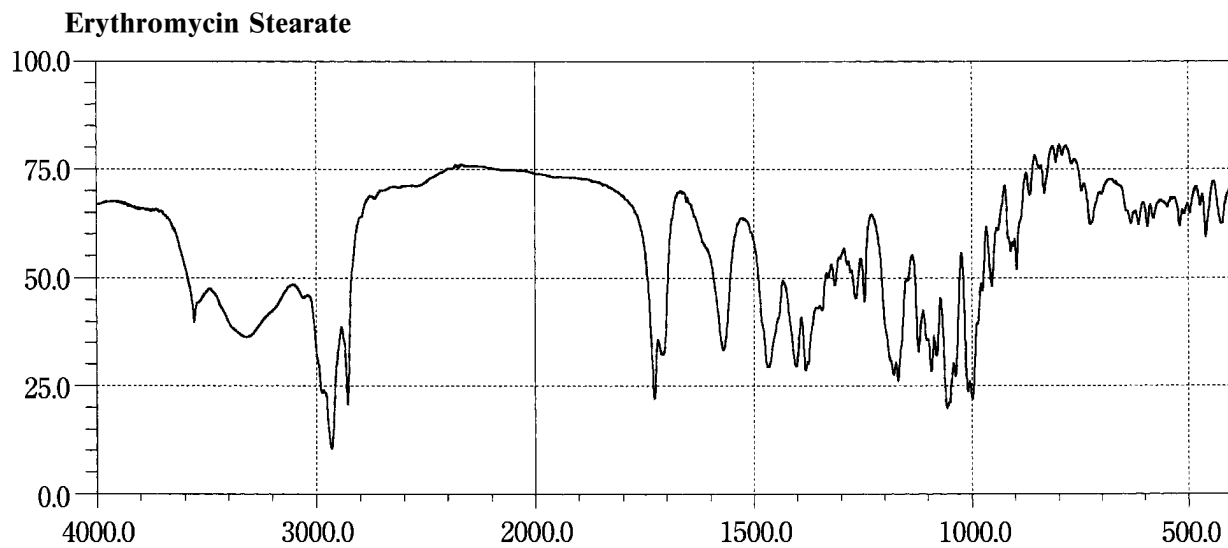
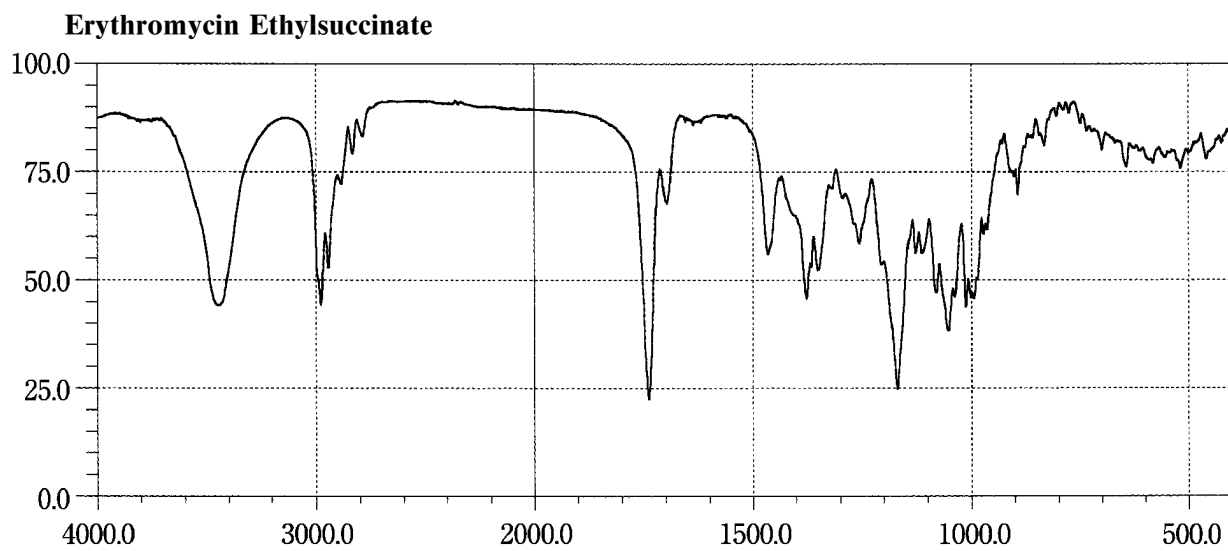
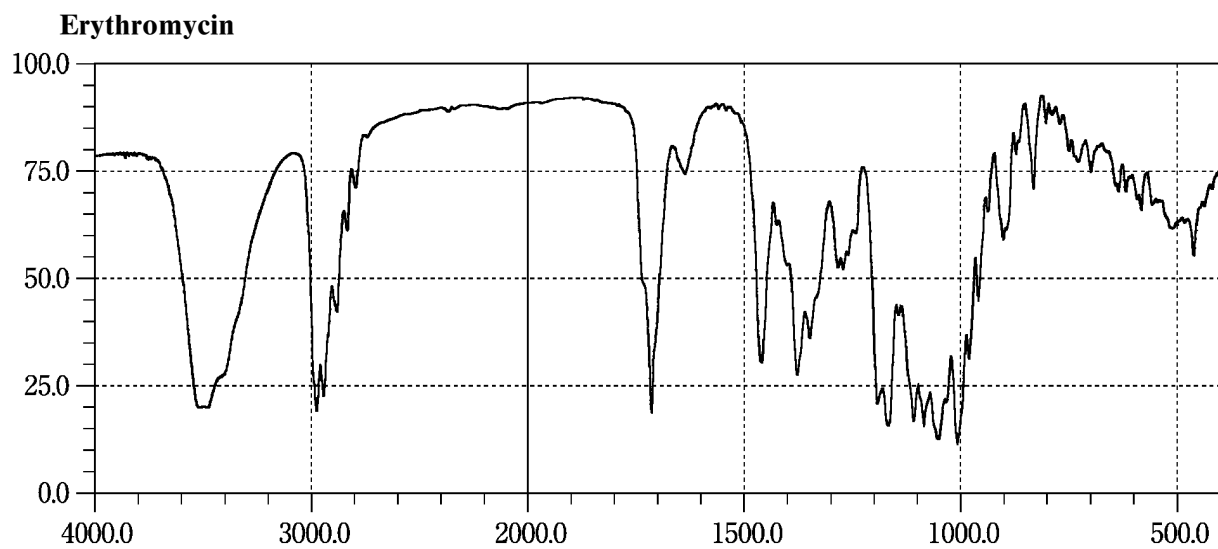


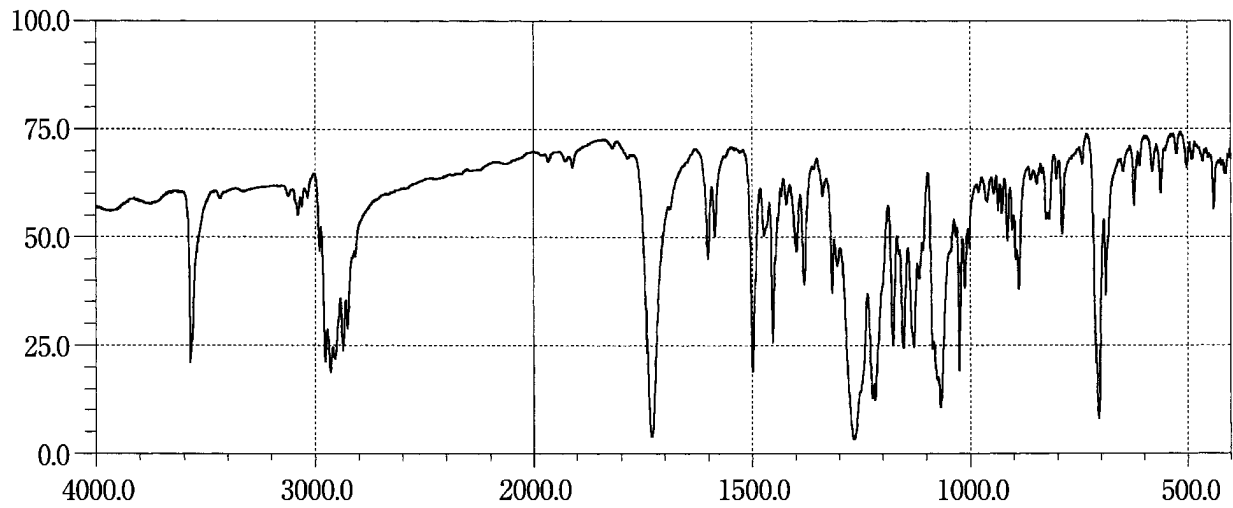
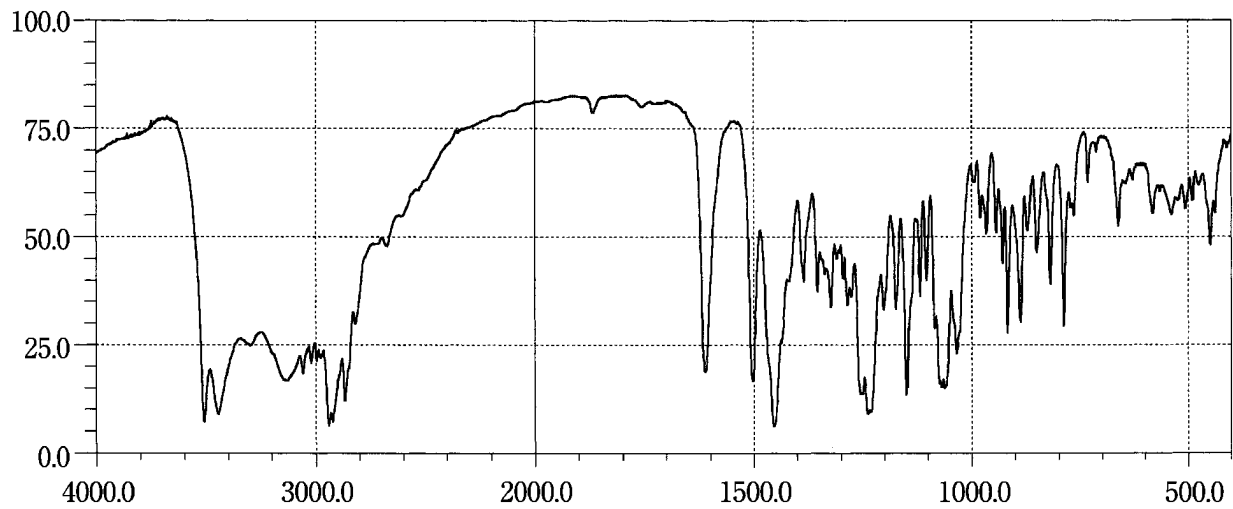
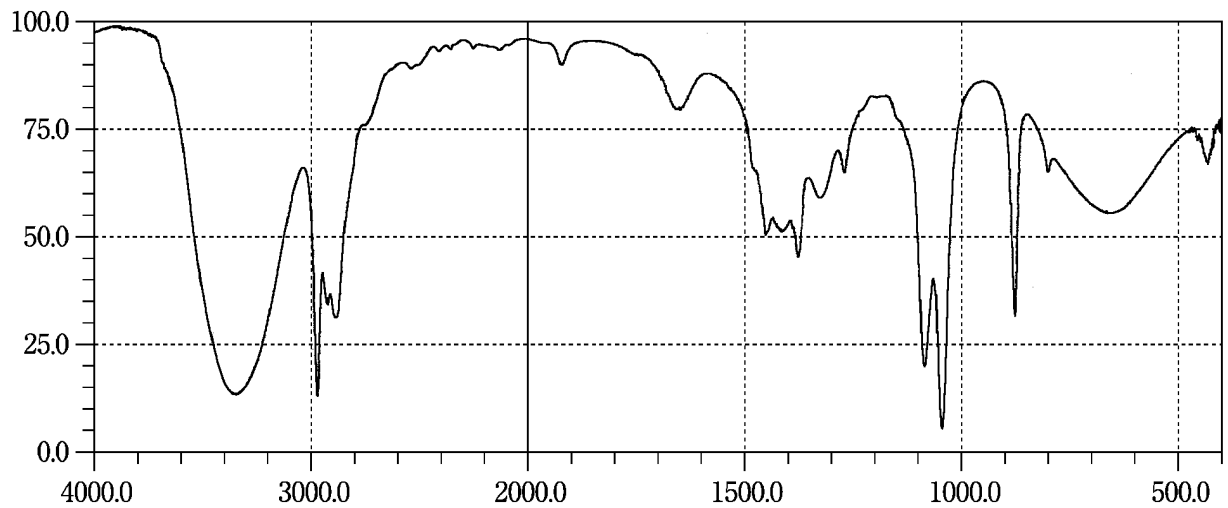
**Ephedrine Hydrochloride**

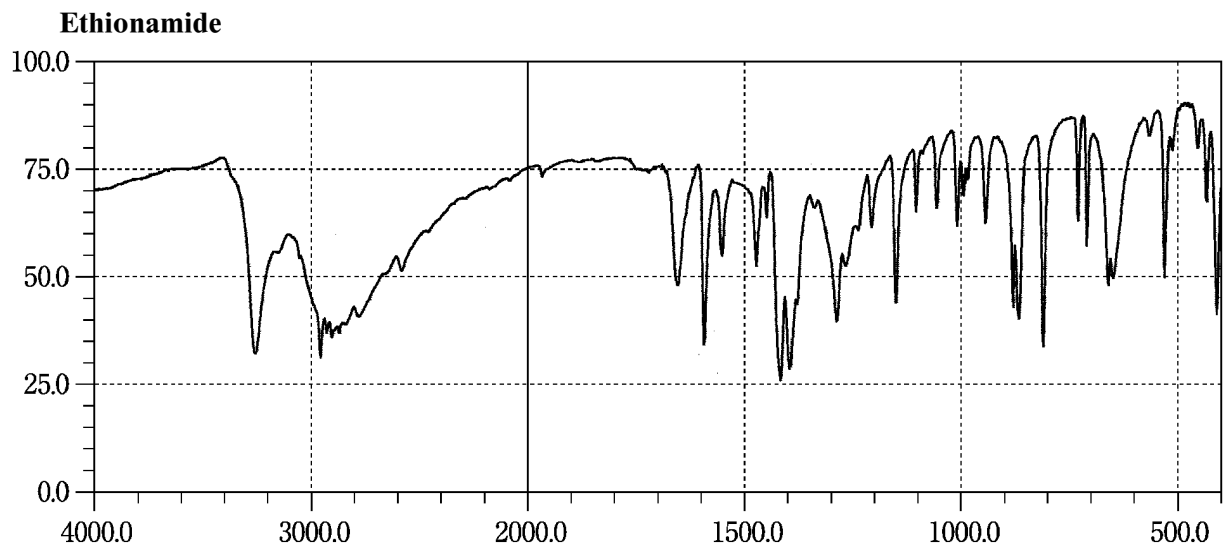
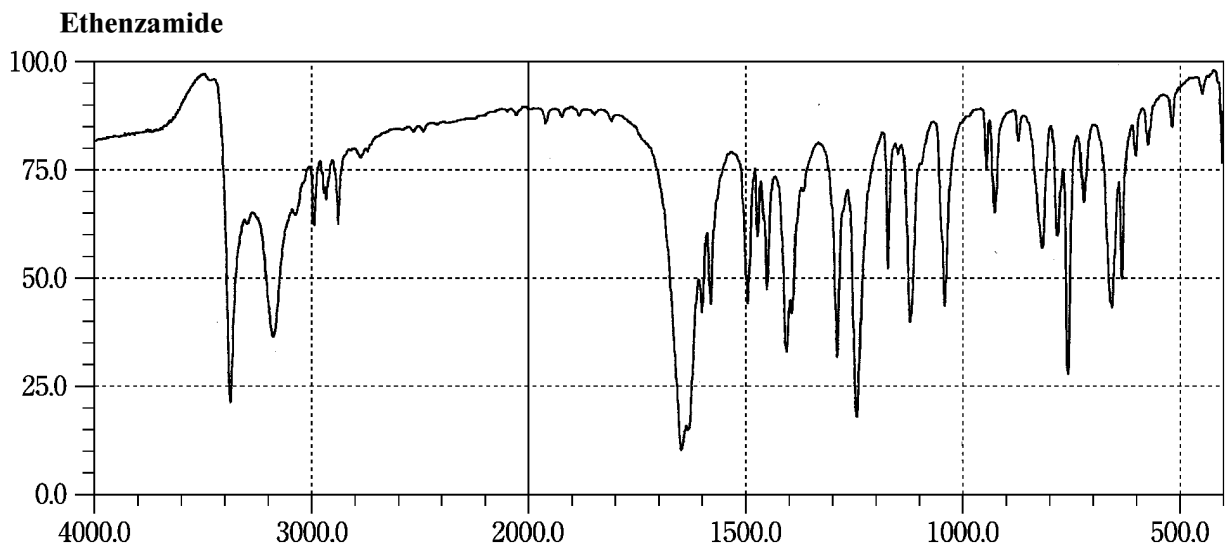
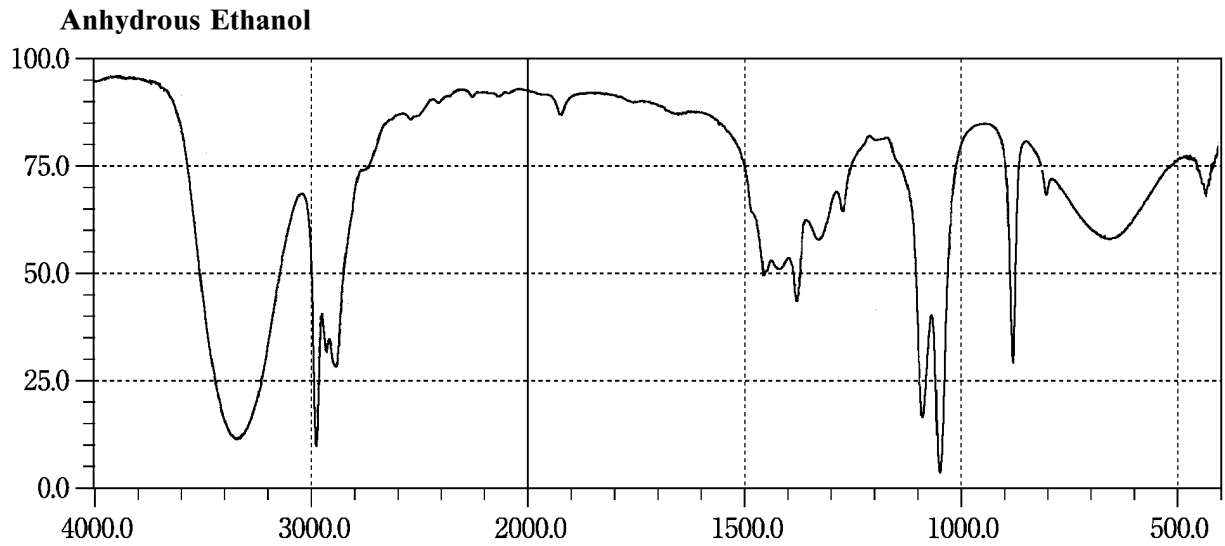


**Ergocalciferol**

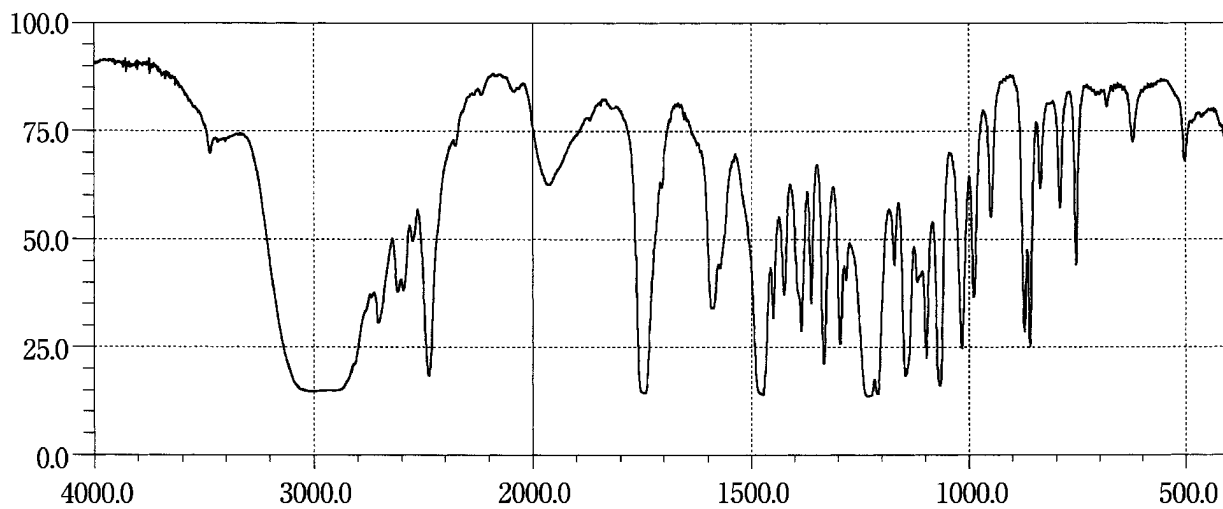




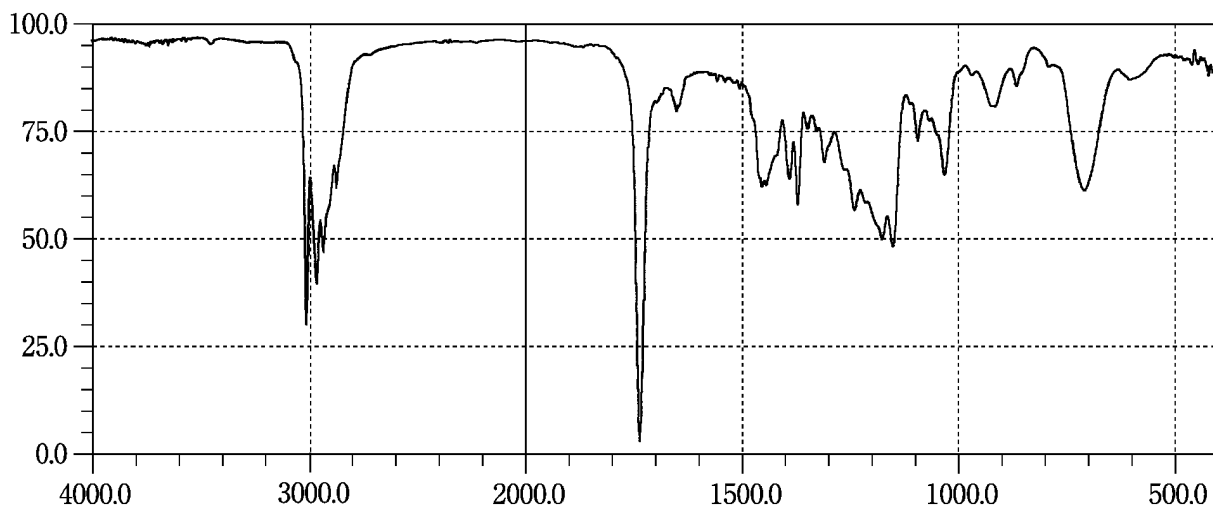
**Estradiol Benzoate****Estriol****Ethanol**



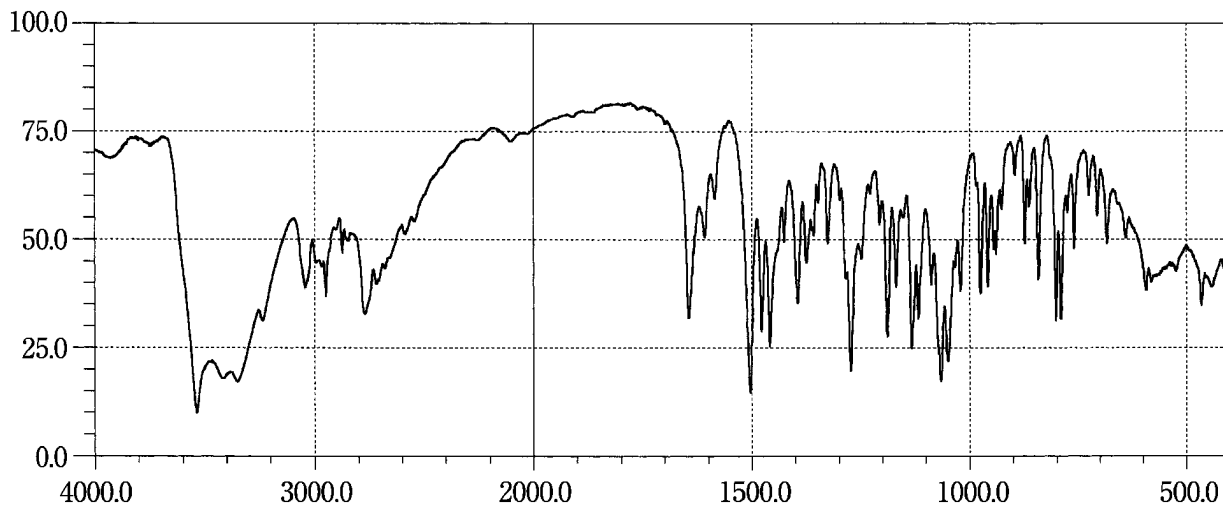
**Ethyl L-Cysteine Hydrochloride**



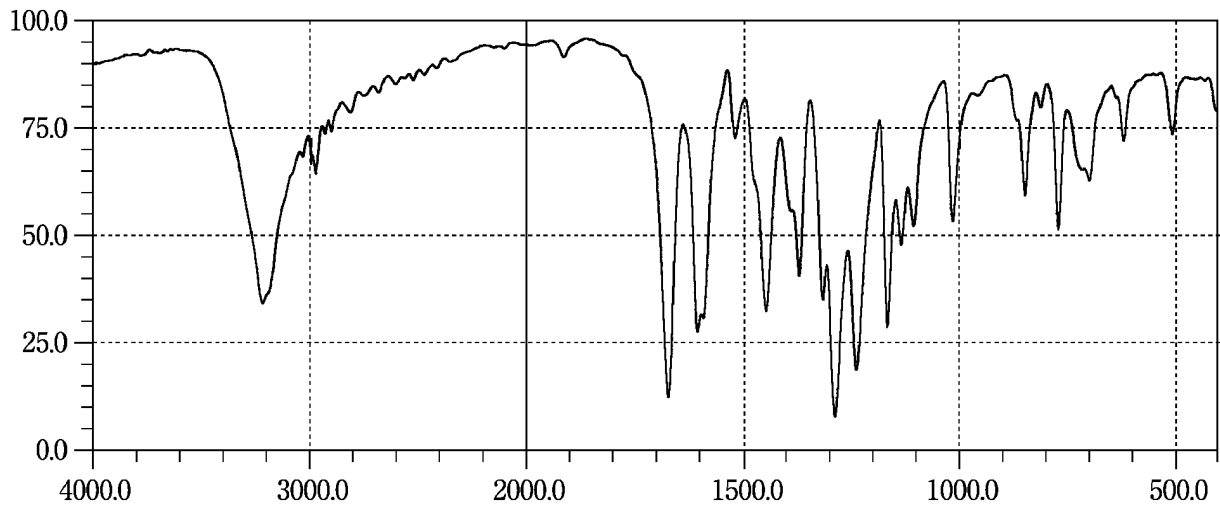
**Ethyl Icosapentate**



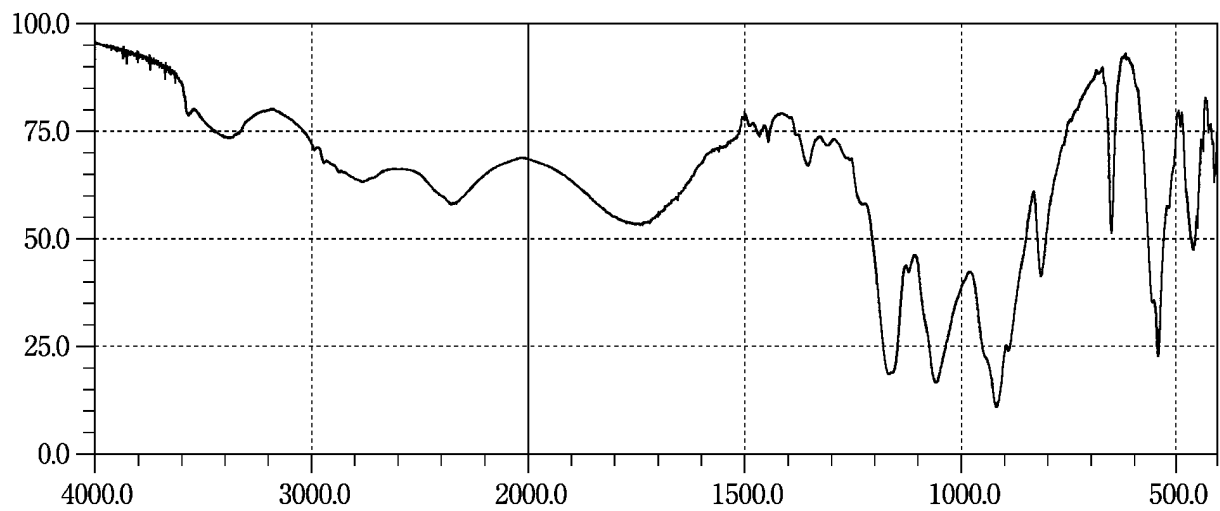
**Ethylmorphine Hydrochloride Hydrate**



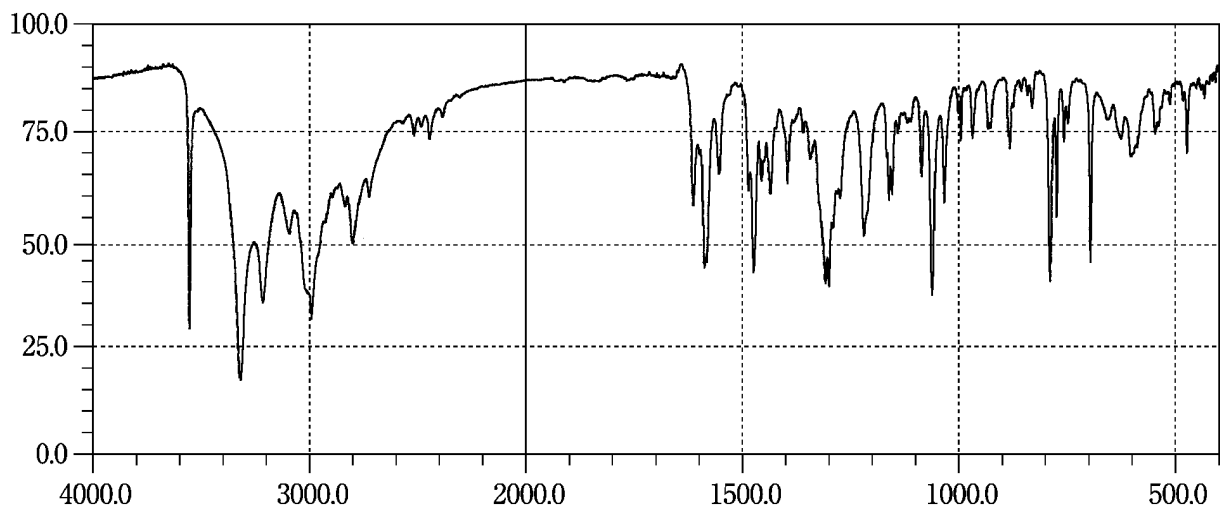
**Ethyl Parahydroxybenzoate**

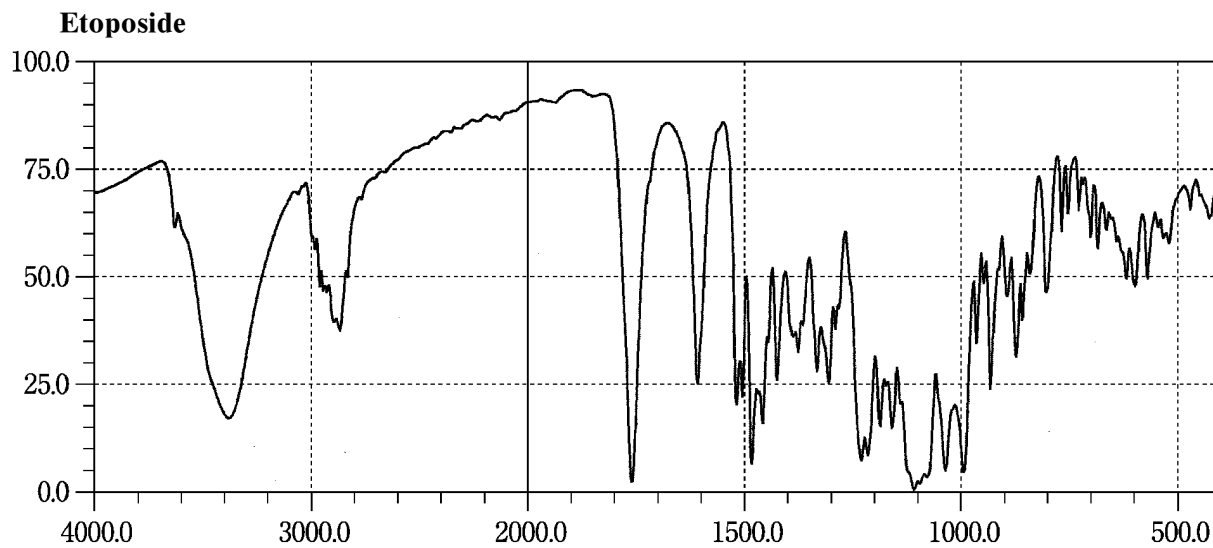
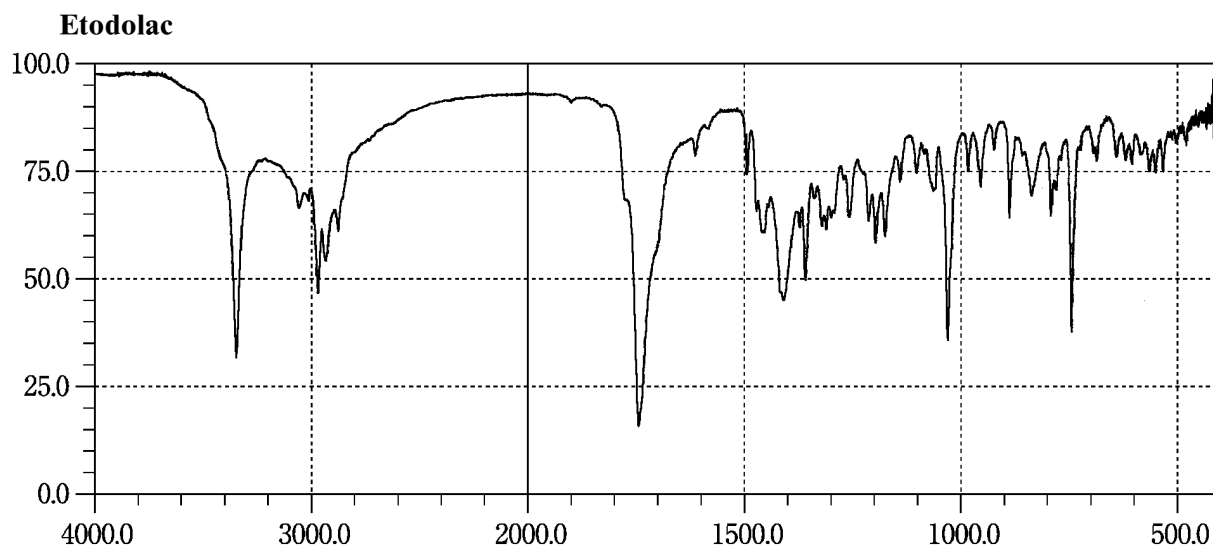
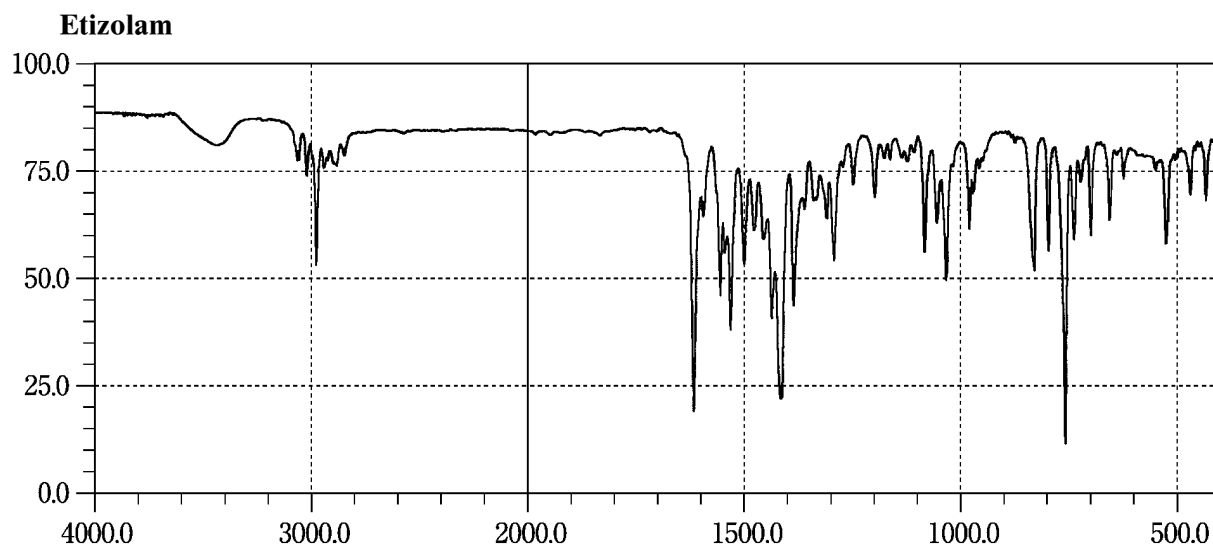


**Etidronate Disodium**

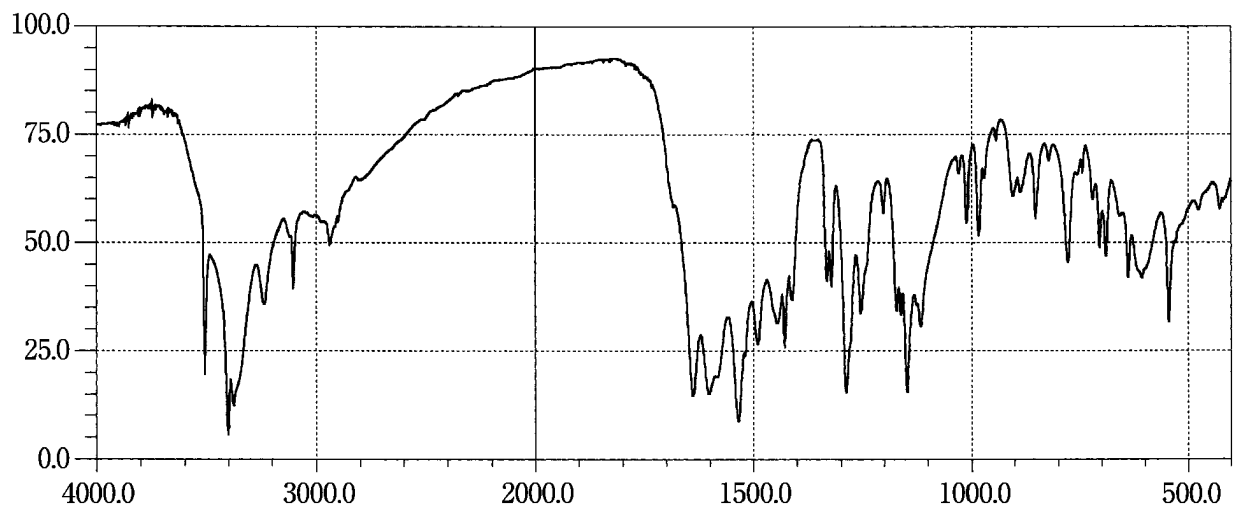


**Etilefrine Hydrochloride**

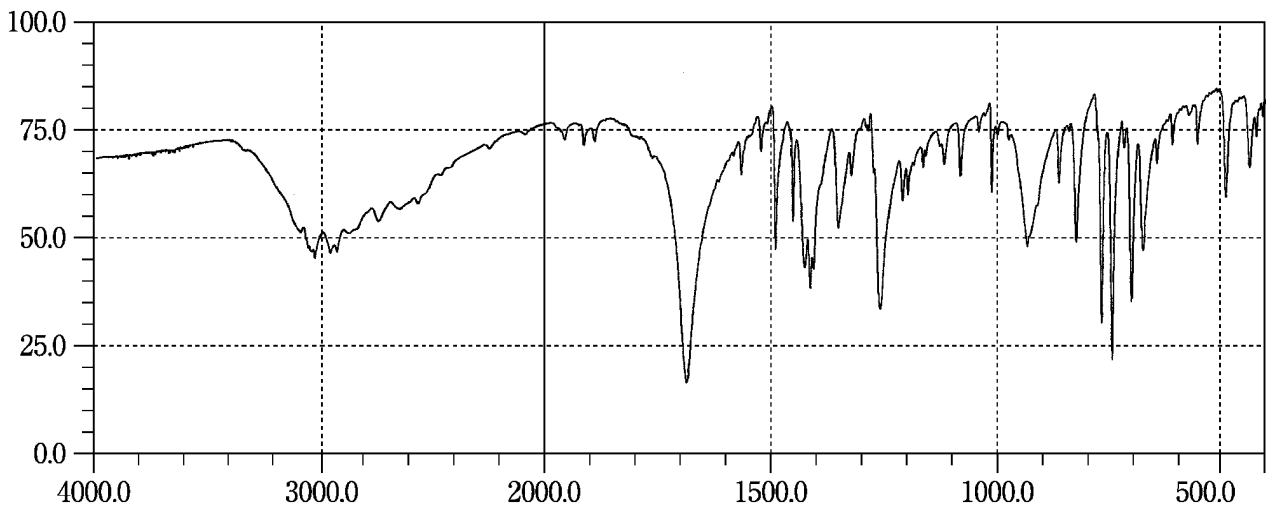




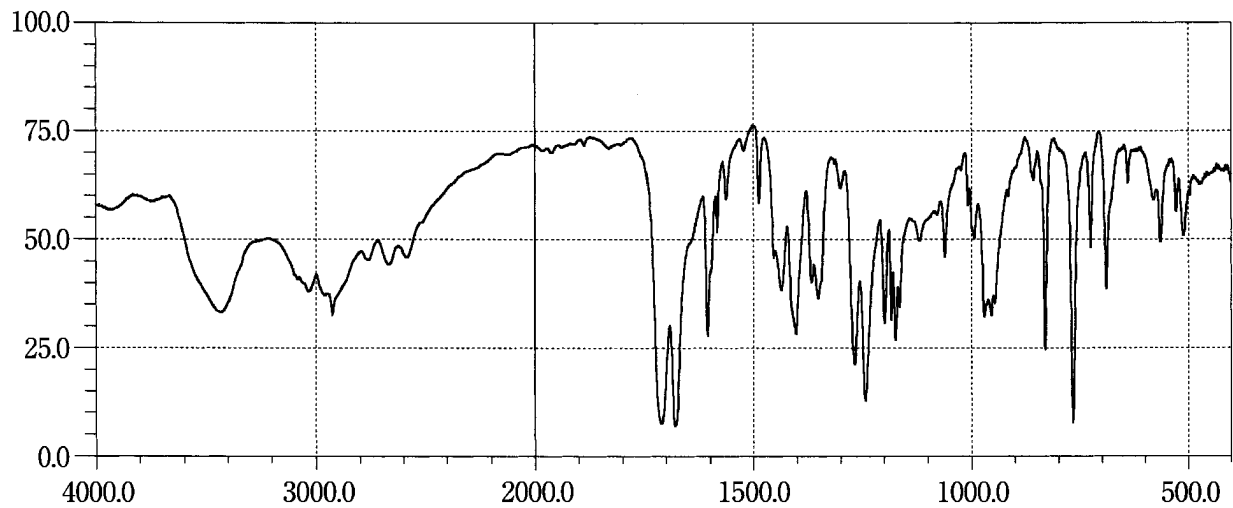
**Famotidine**



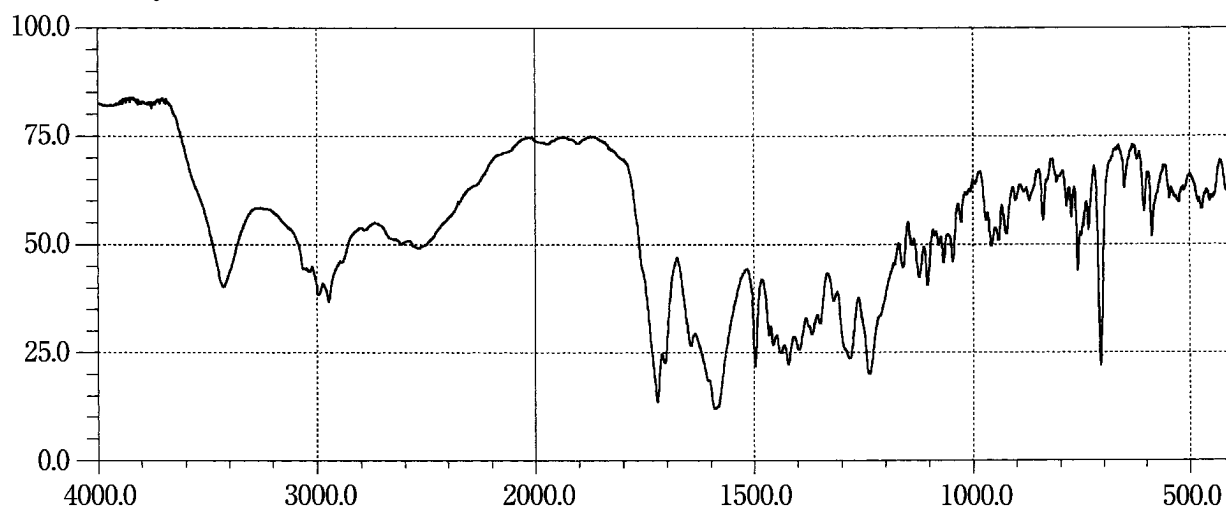
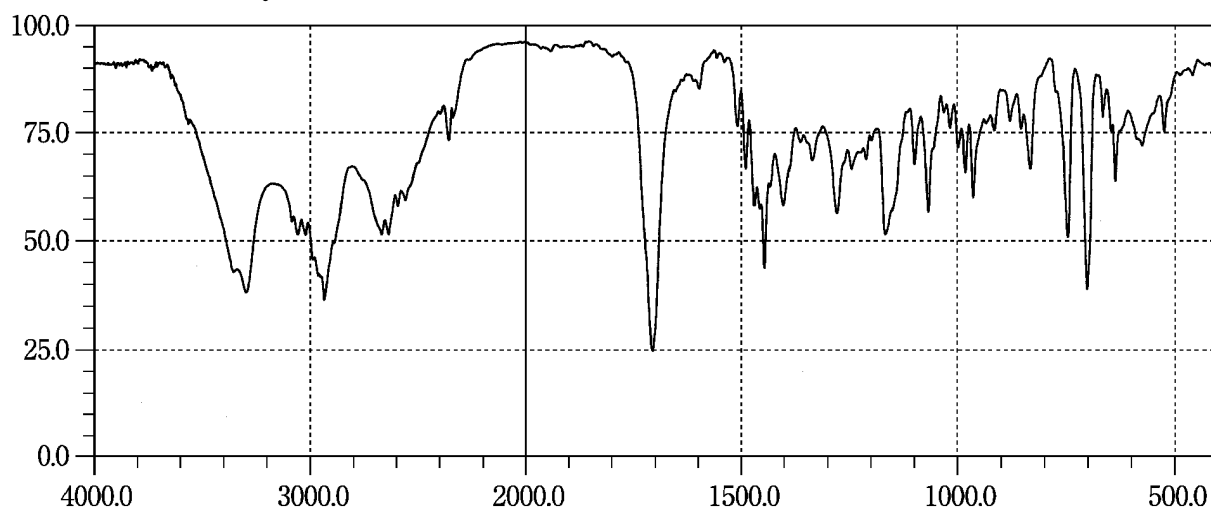
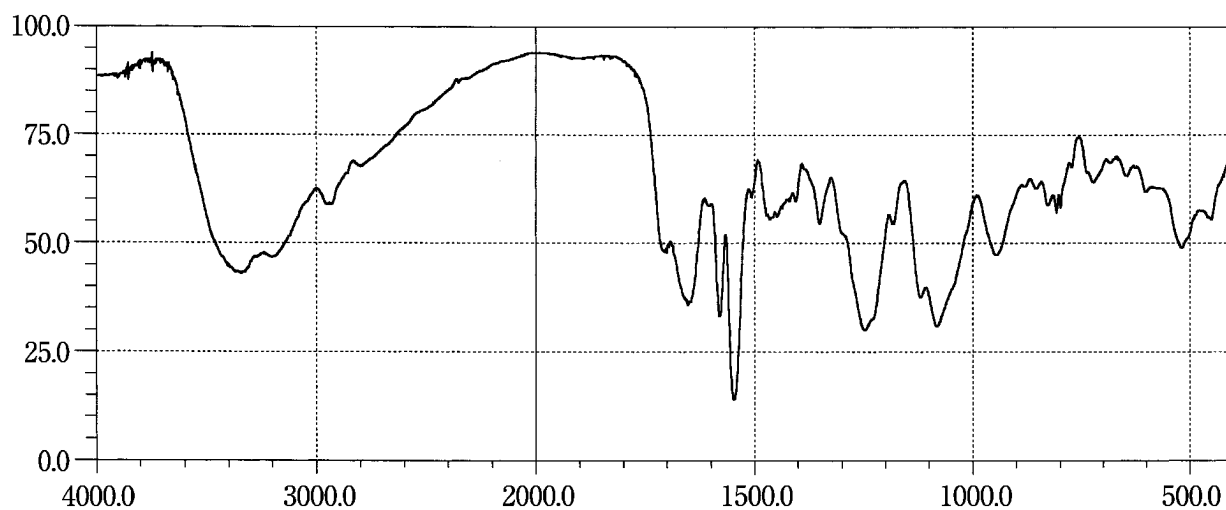
**Felbinac**

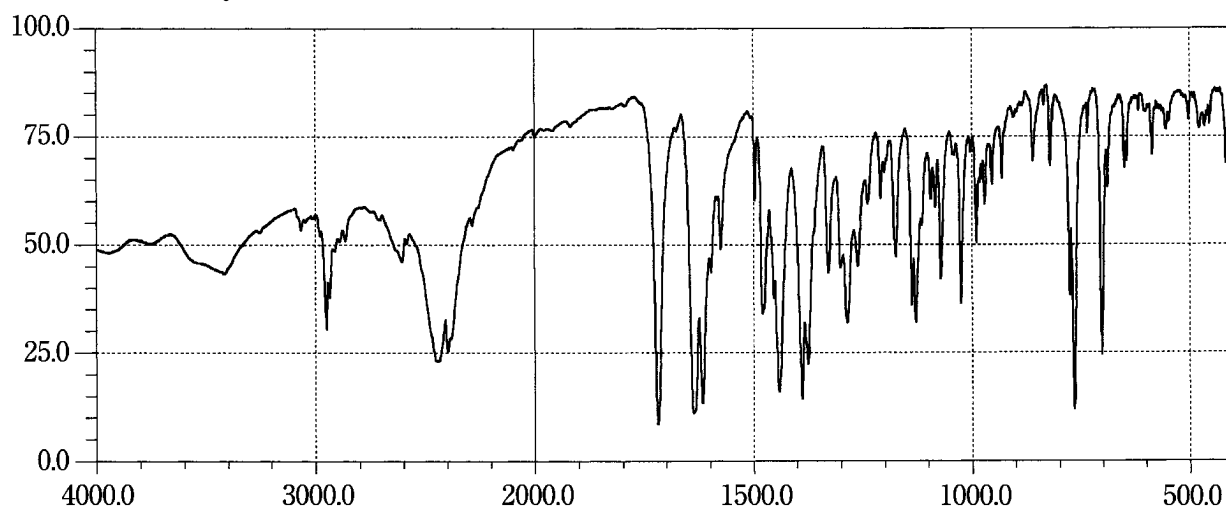
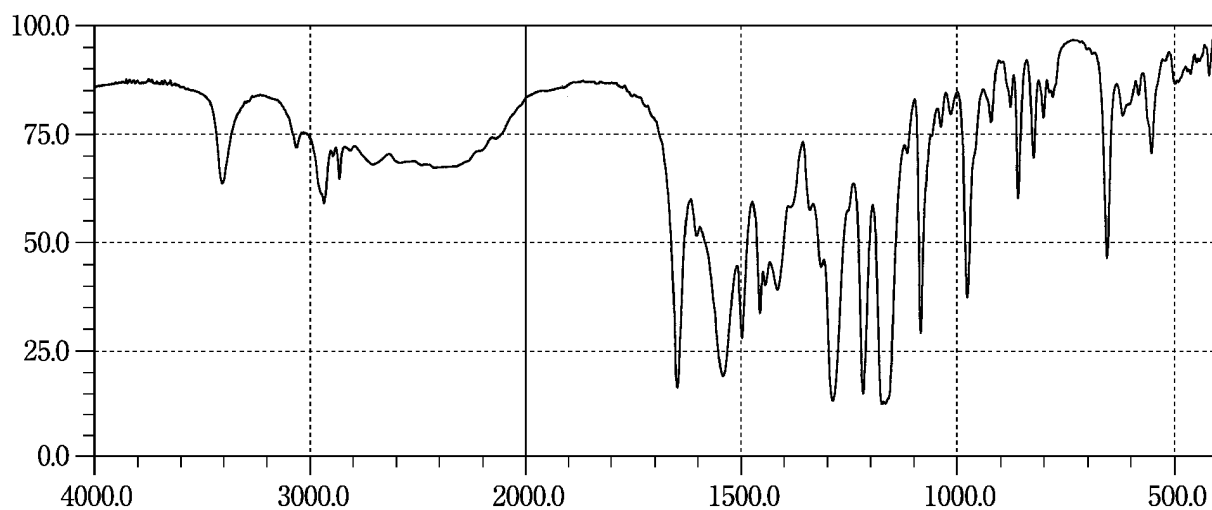
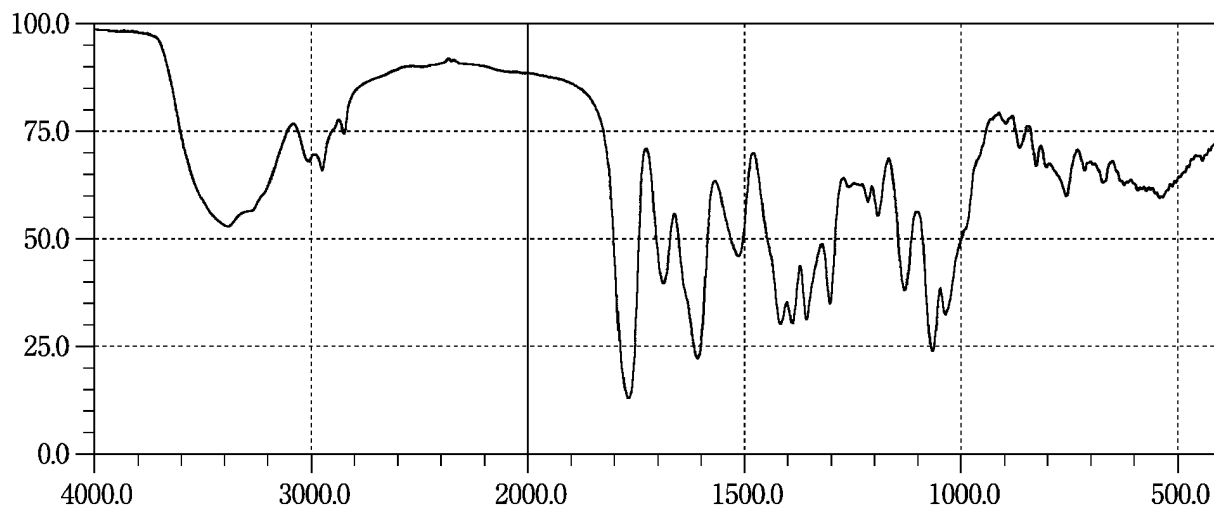


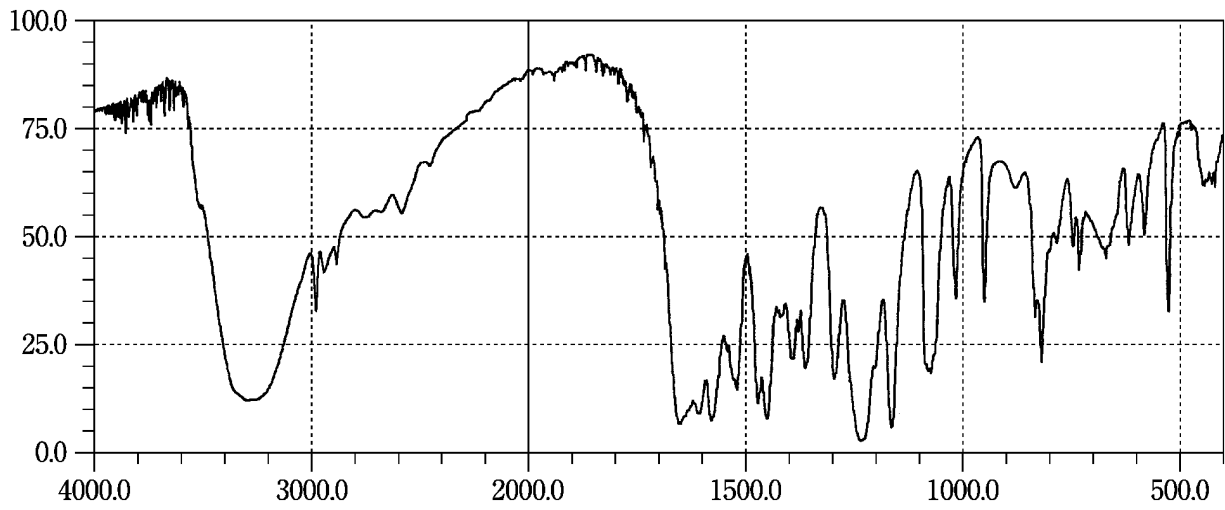
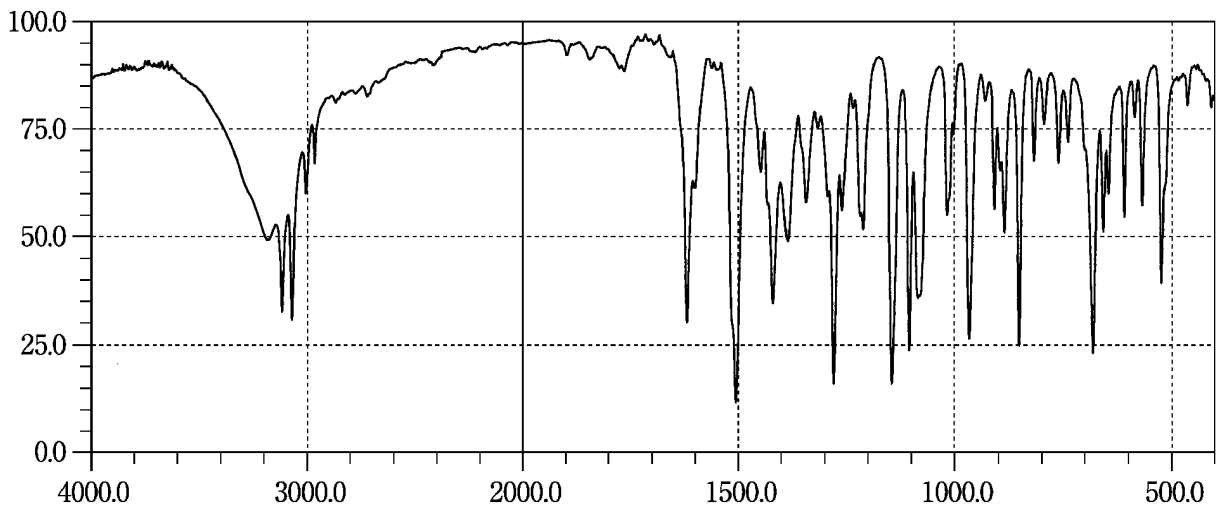
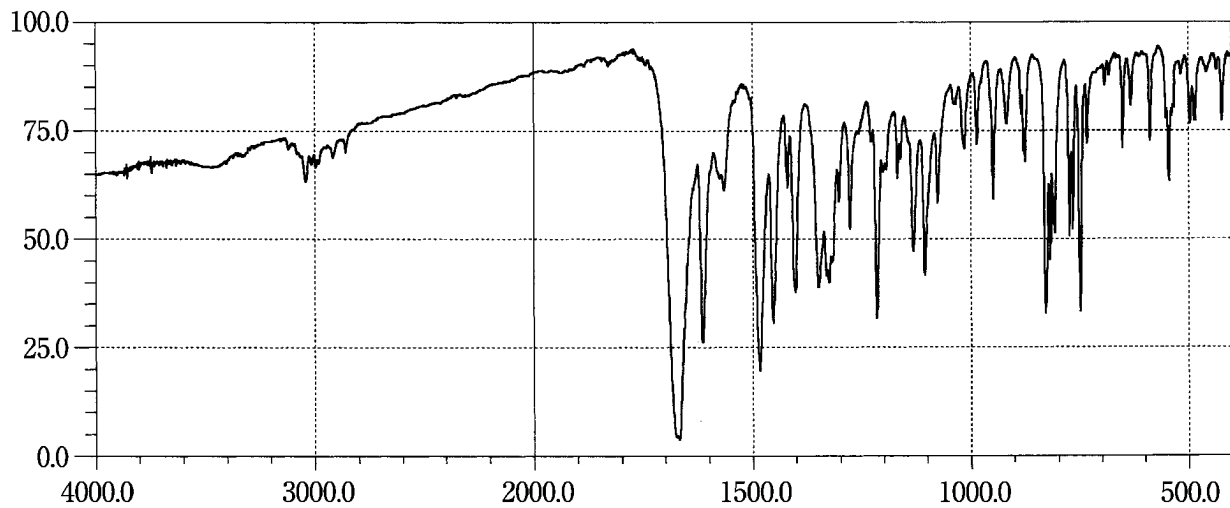
**Fenbufen**



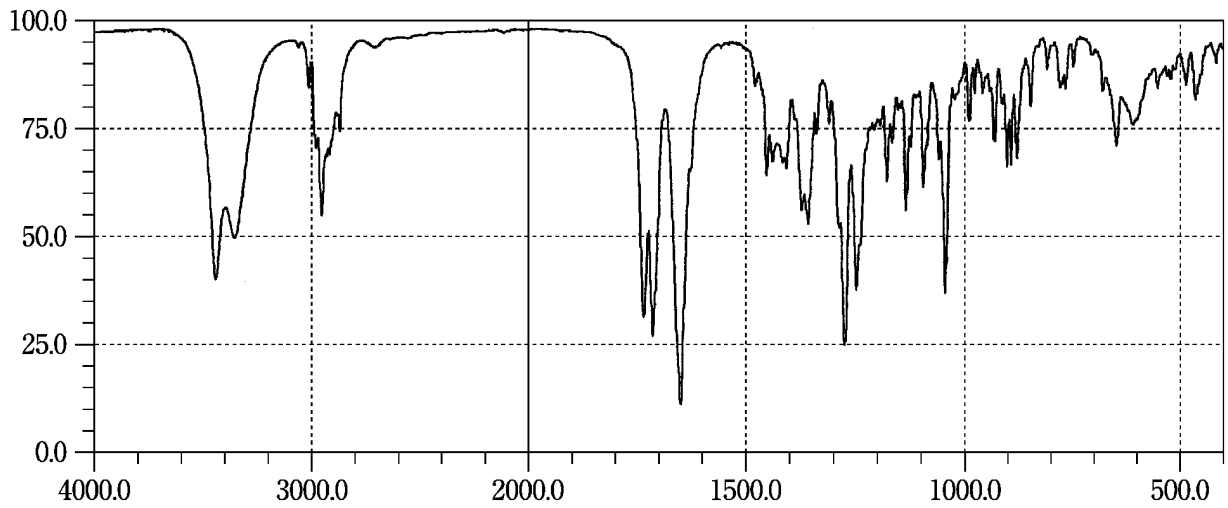


**Fentanyl Citrate****Fexofenadine Hydrochloride****Flavin Adenine Dinucleotide Sodium**

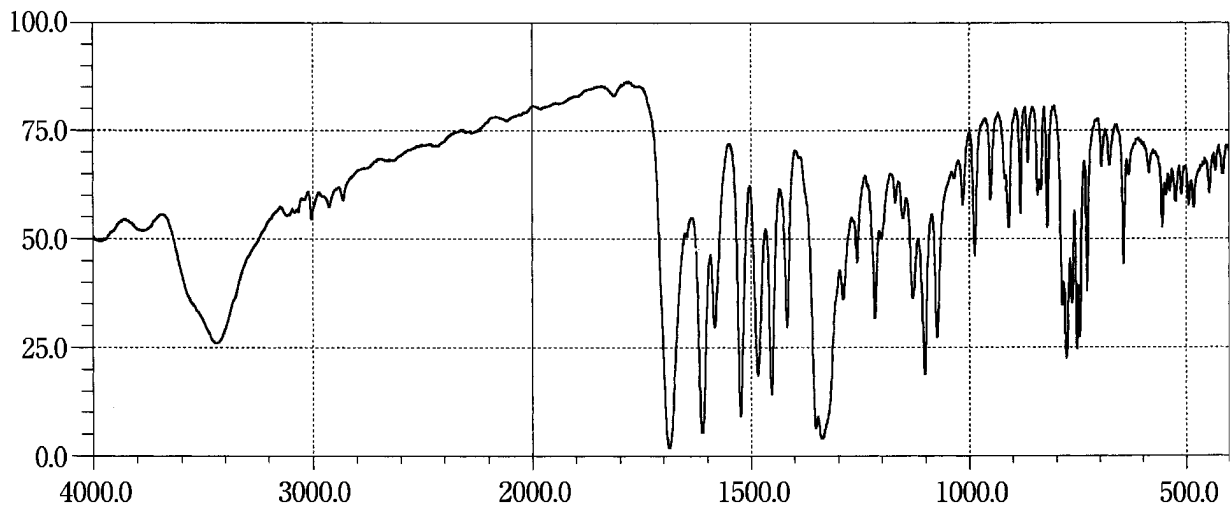
**Flavoxate Hydrochloride****Flecainide Acetate****Flomoxef Sodium**

**Flopropione****Fluconazole****Fludiazepam**

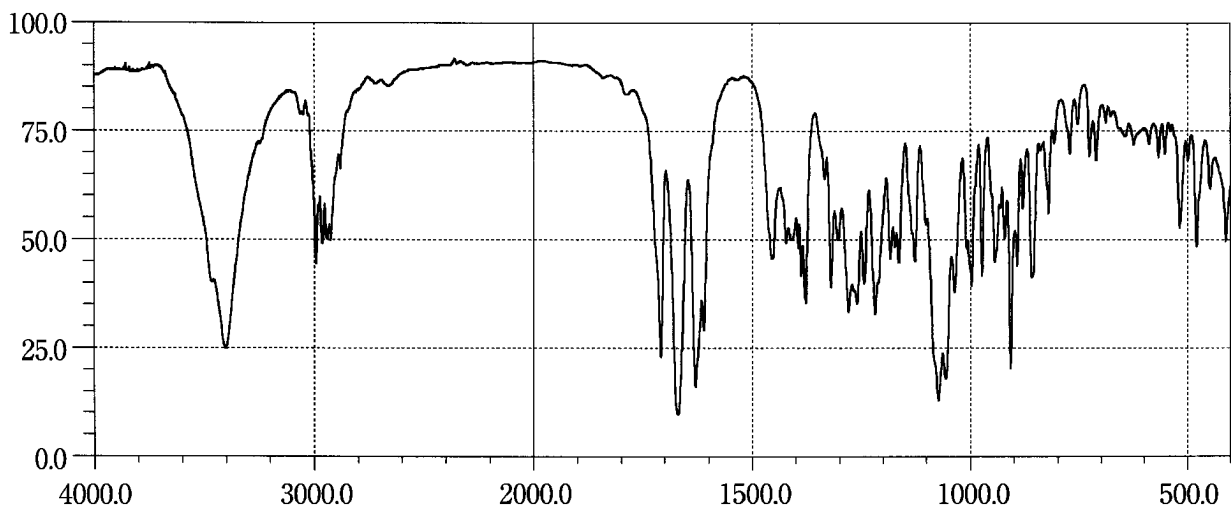
**Fludrocortisone Acetate**

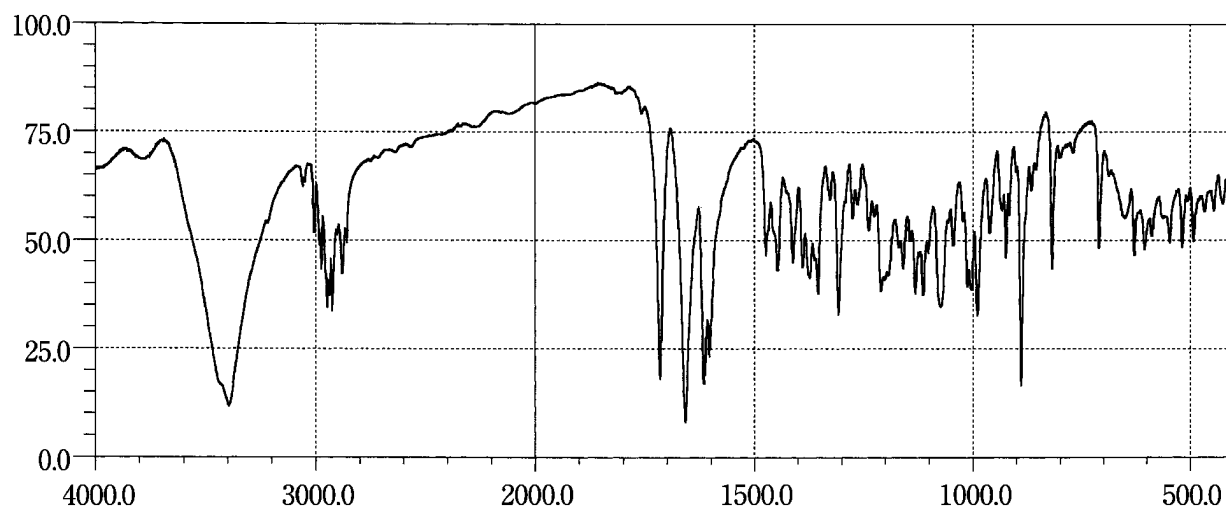
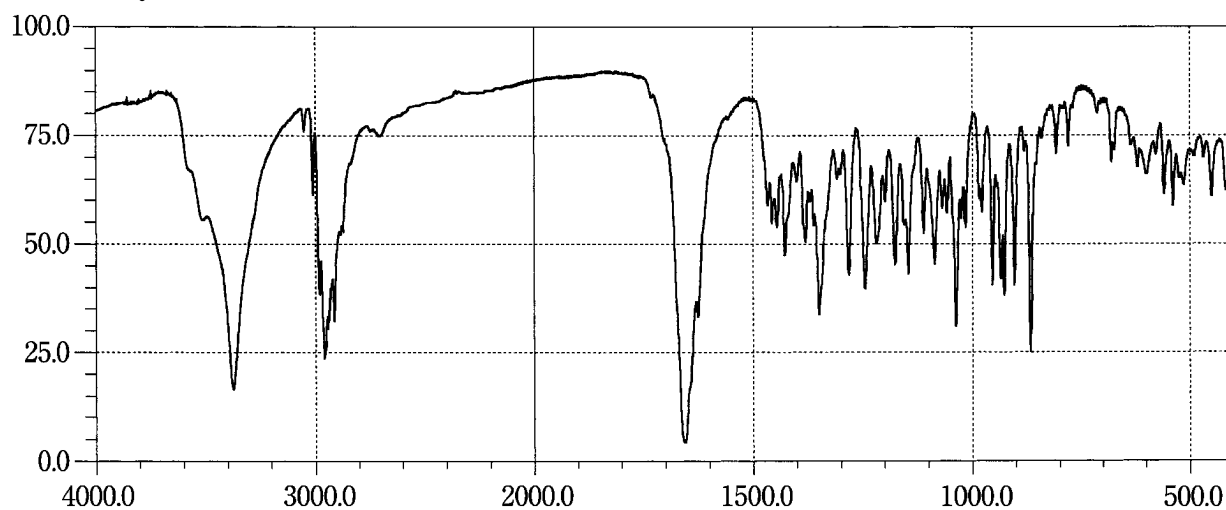
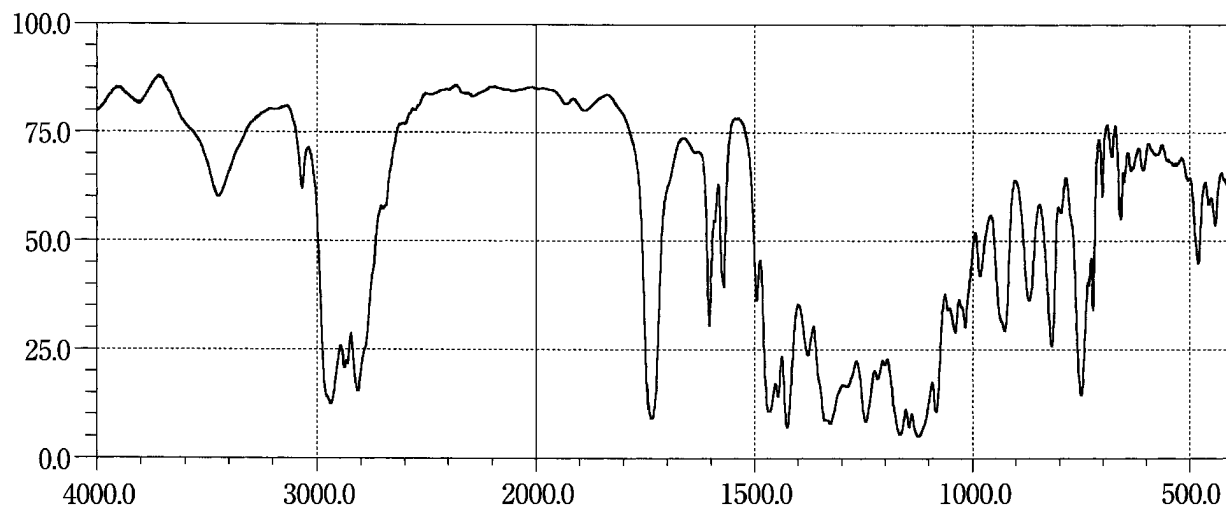


**Flunitrazepam**

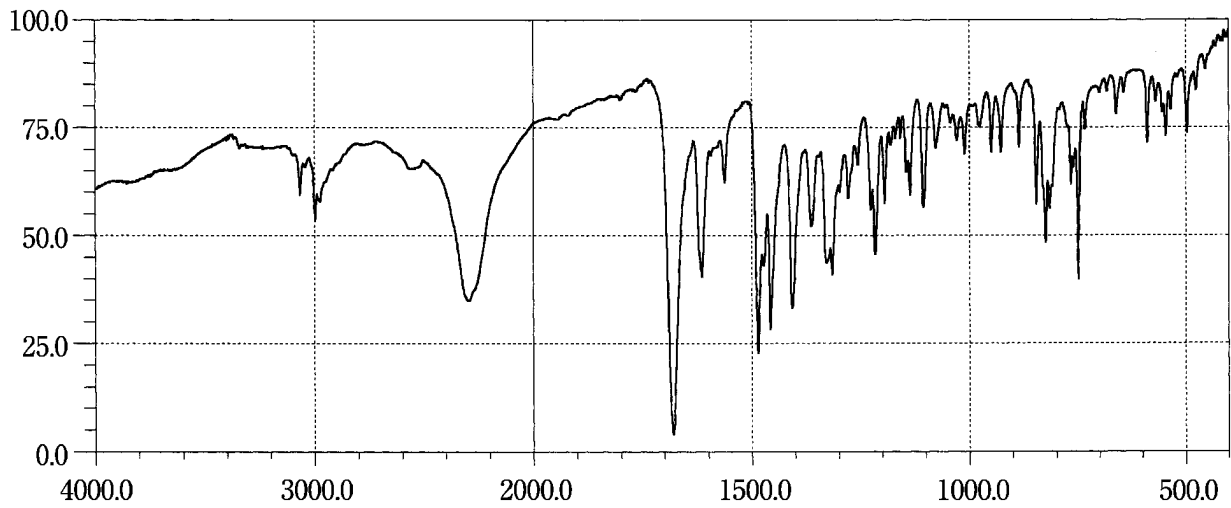


**Fluocinolone Acetonide**

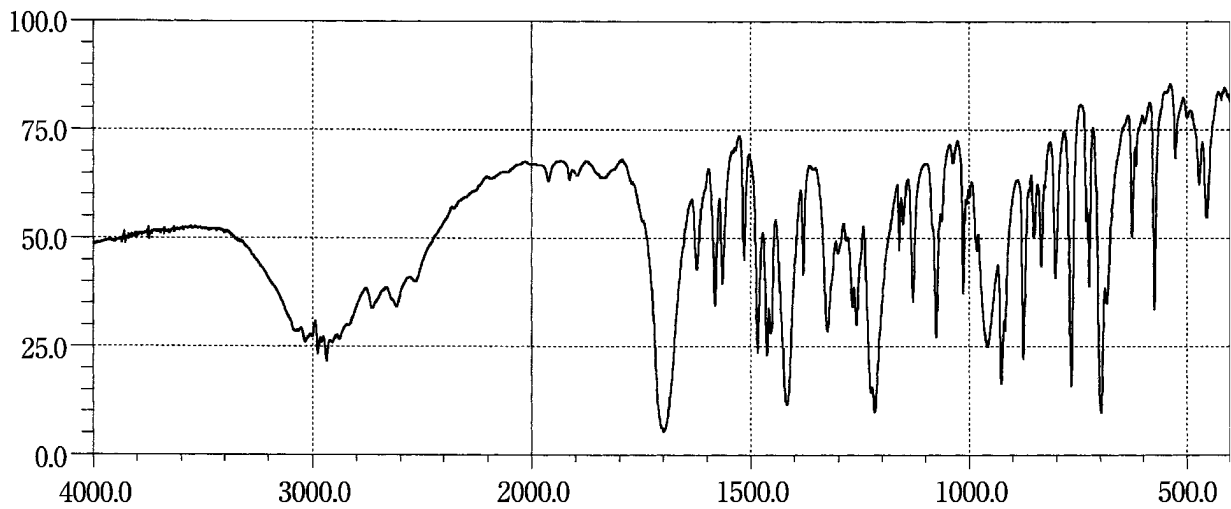


**Fluorometholone****Fluoxymesterone****Fluphenazine Enanthate**

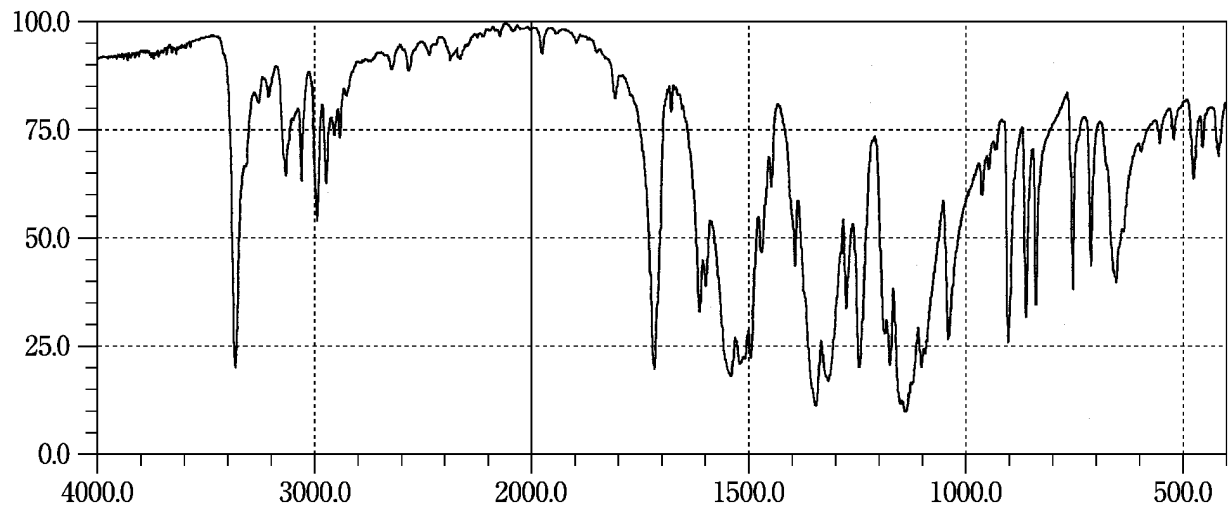
**Flurazepam Hydrochloride**



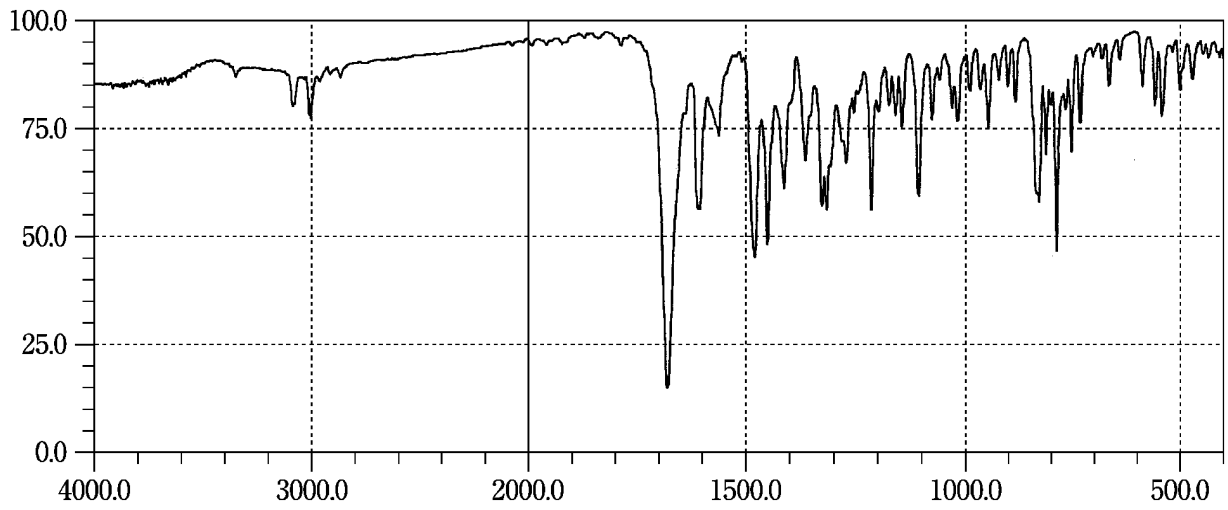
**Flurbiprofen**



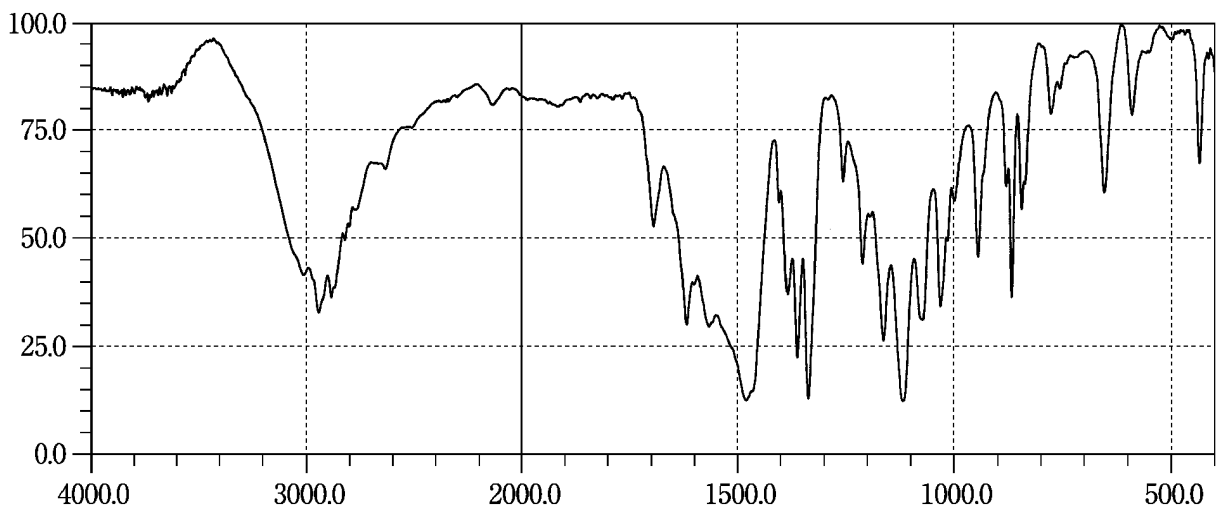
**Flutamide**



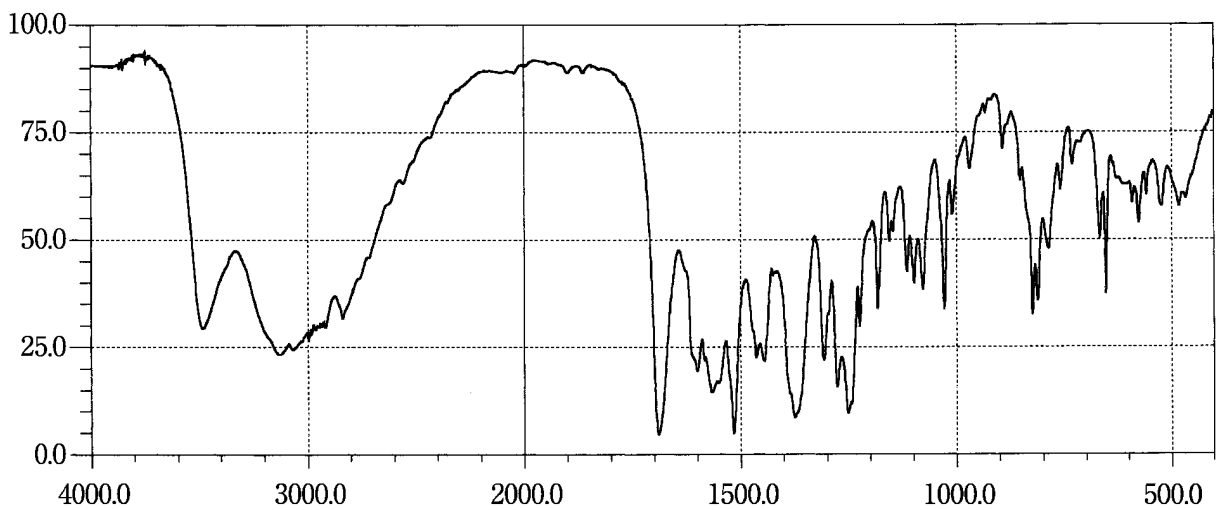
**Flutoprazepam**



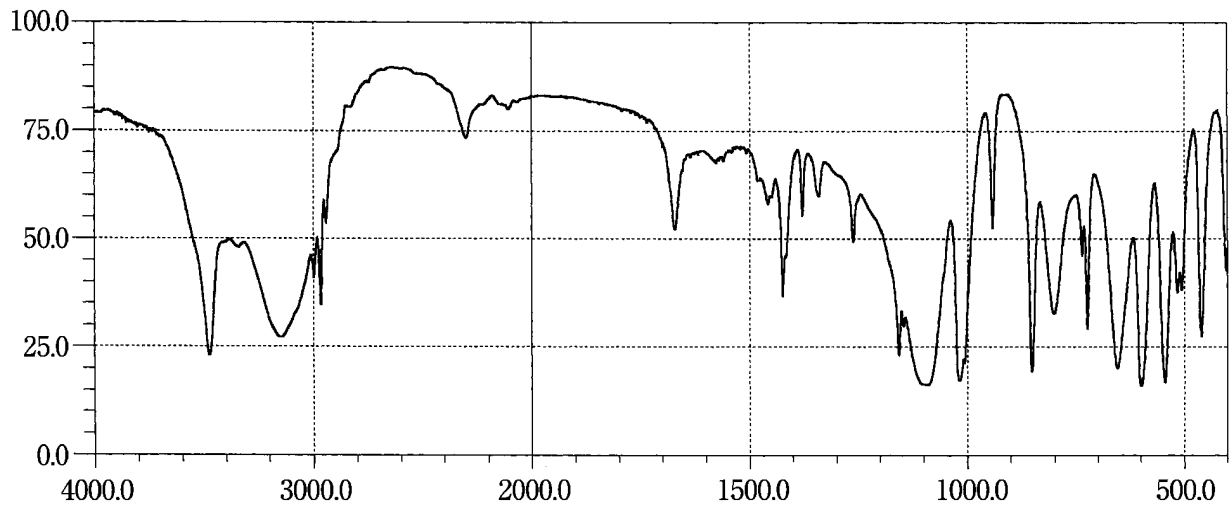
**Fluvoxamine Maleate**



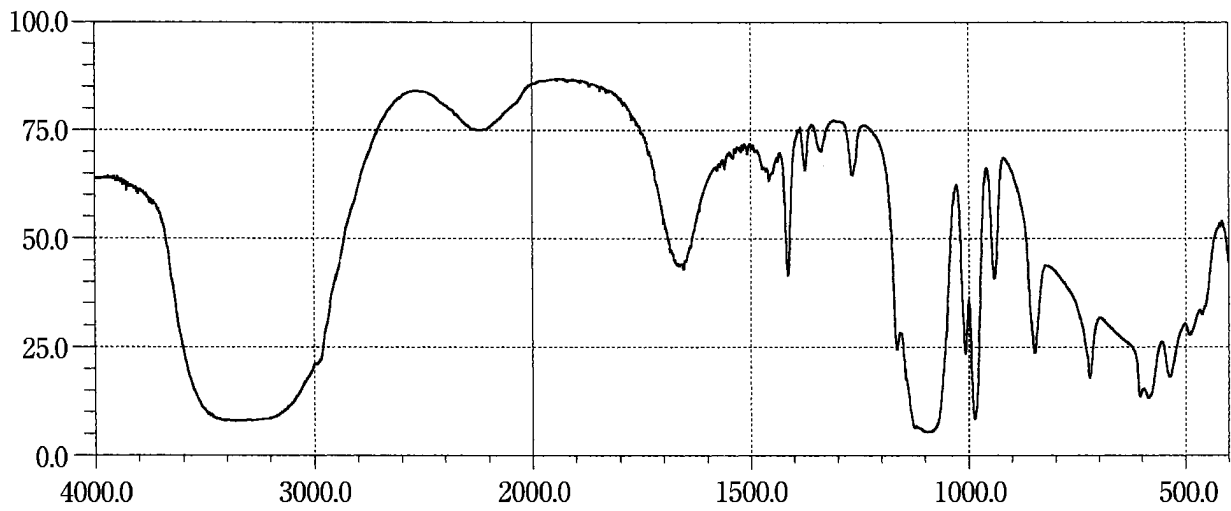
**Formoterol Fumarate Hydrate**



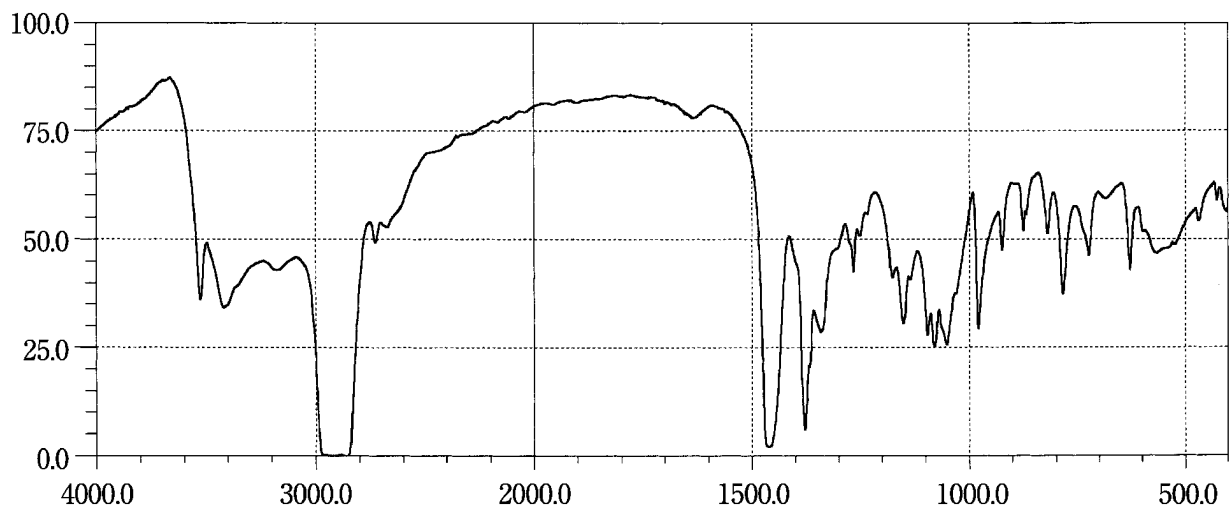
**Fosfomicin Calcium Hydrate**



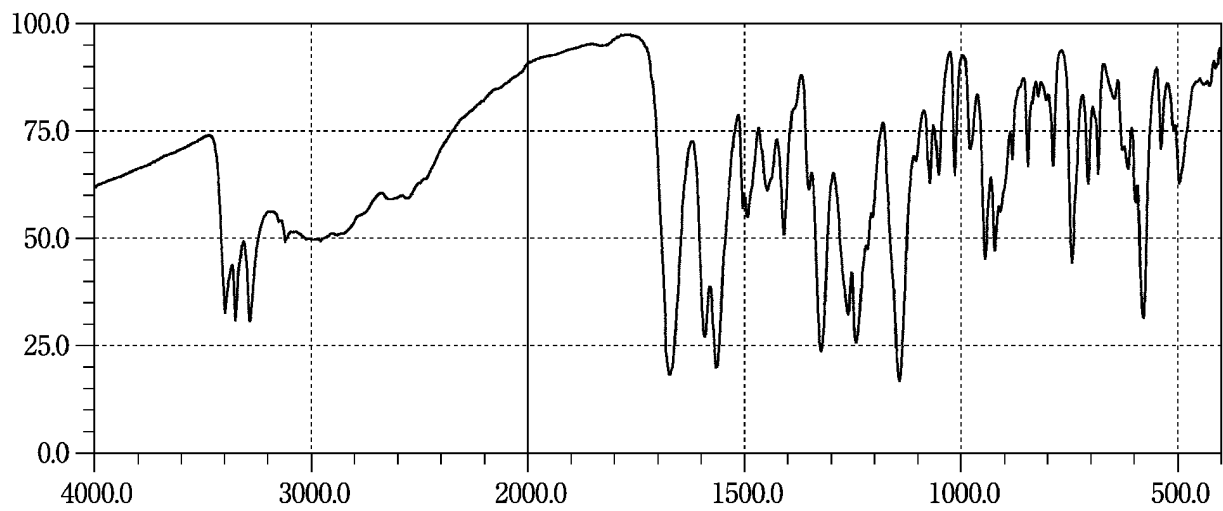
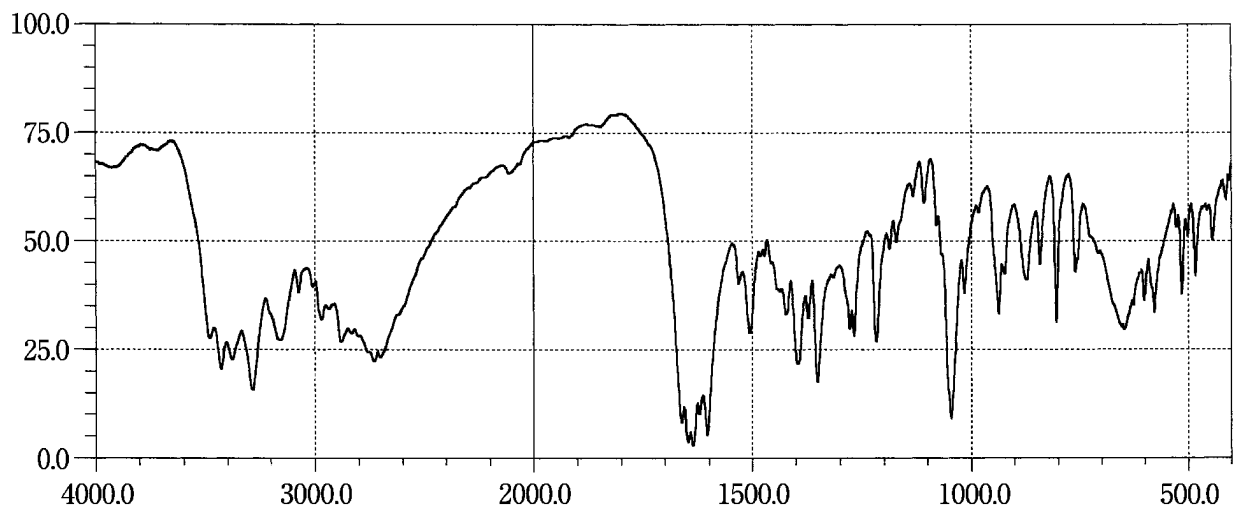
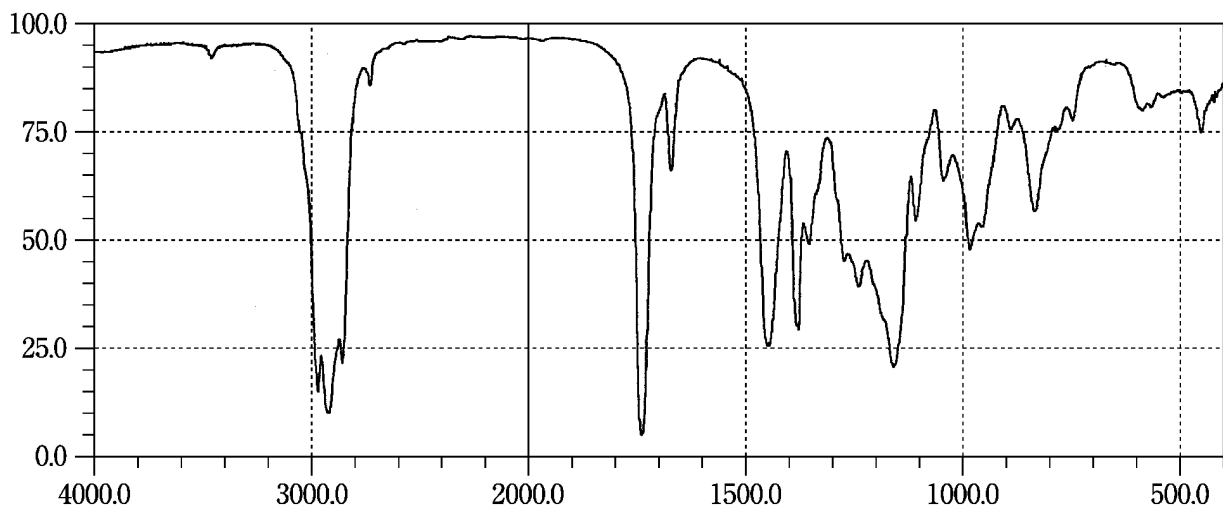
**Fosfomicin Sodium**

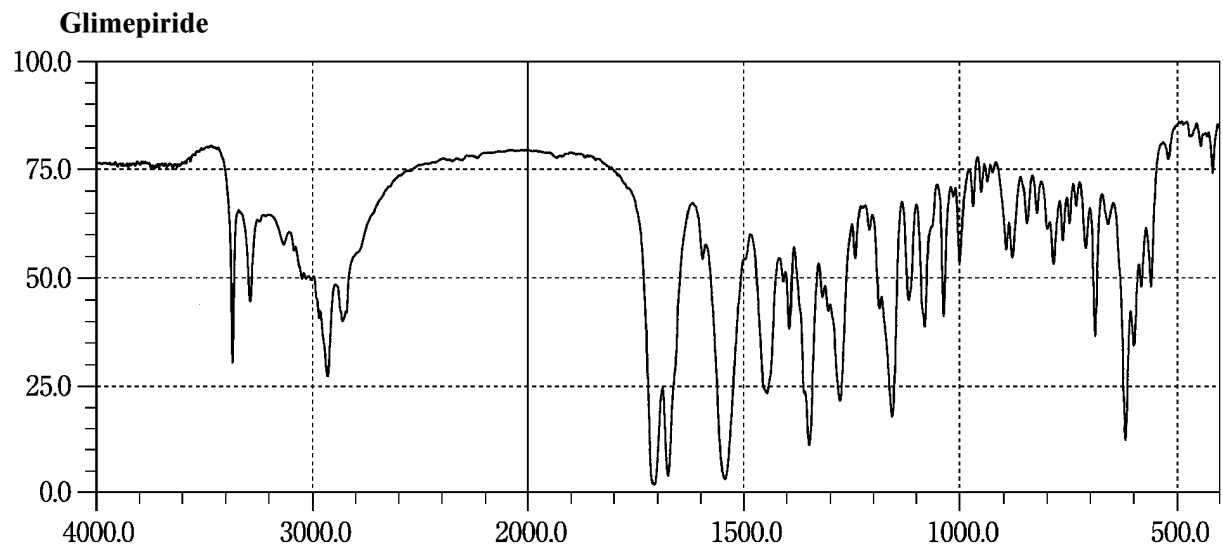
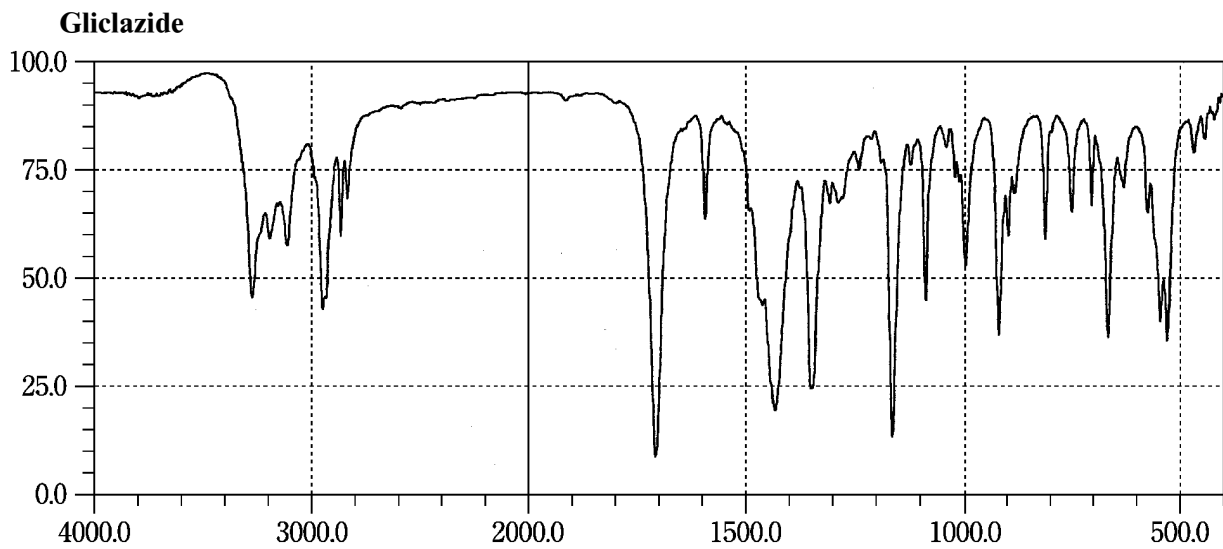
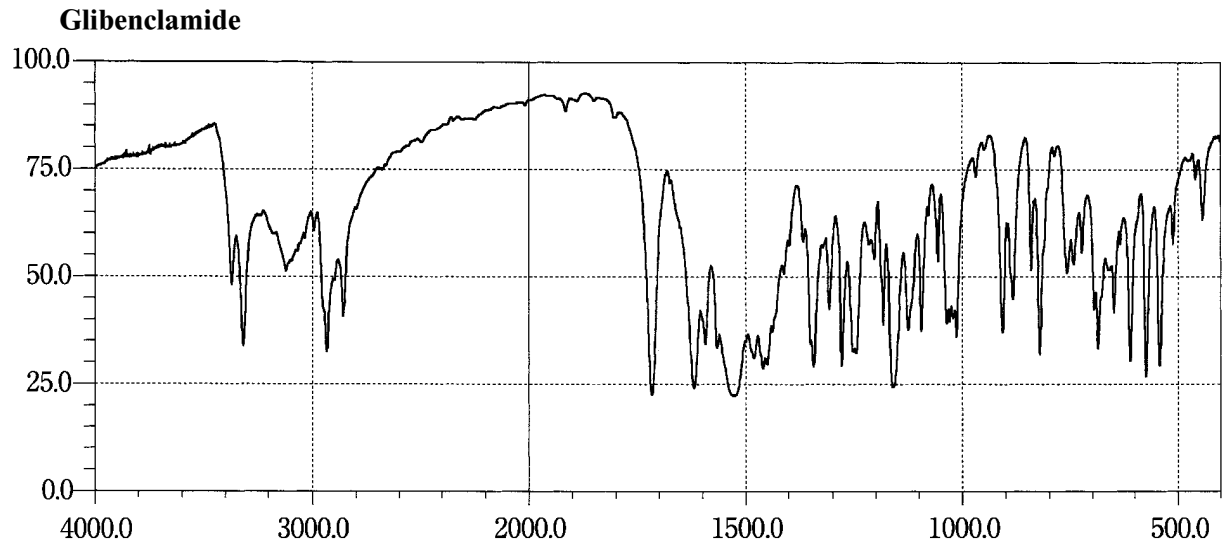


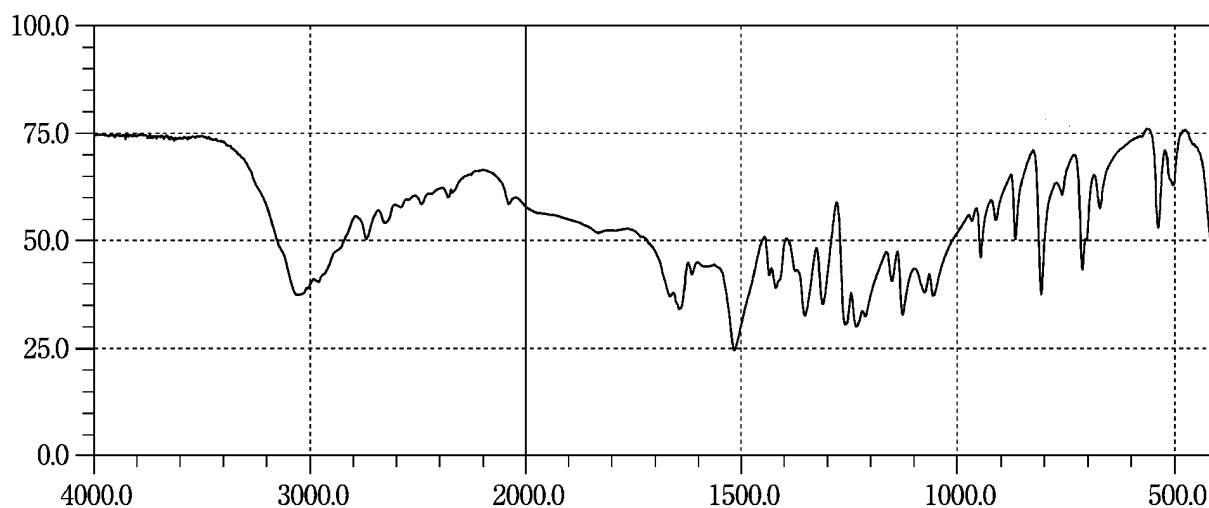
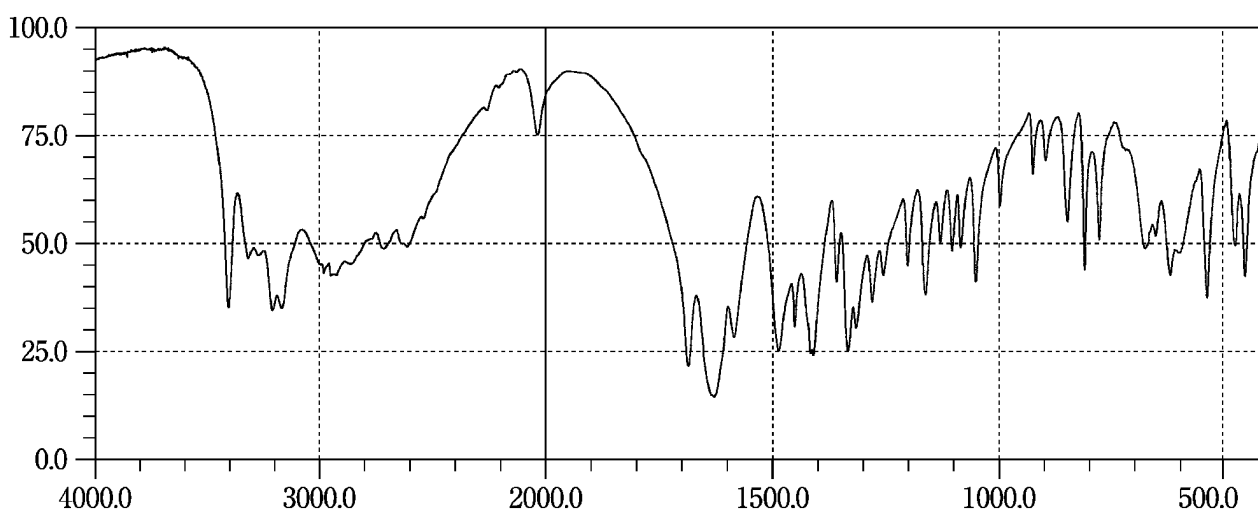
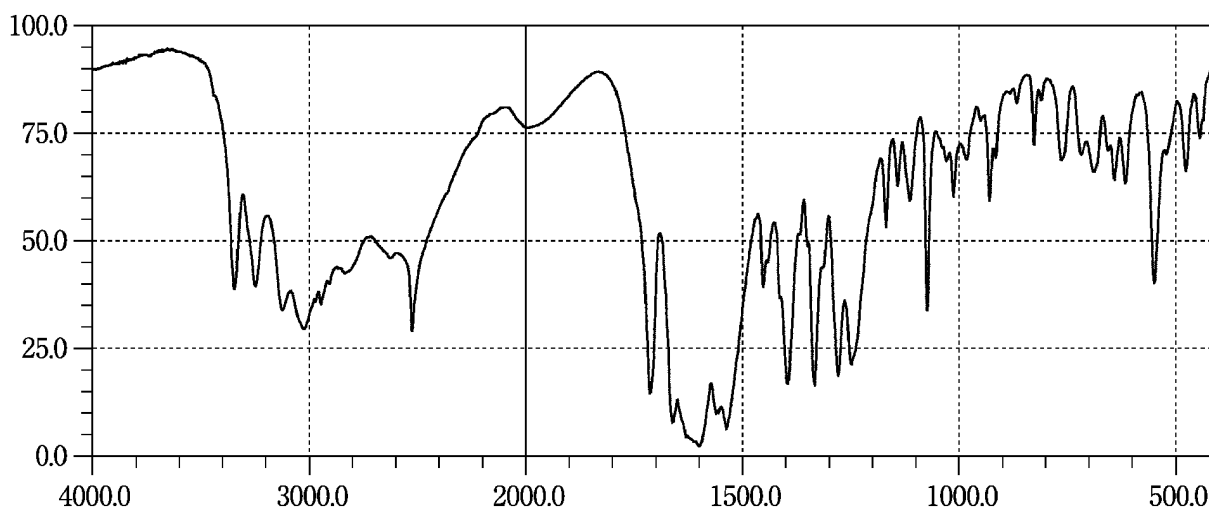
**Fructose**

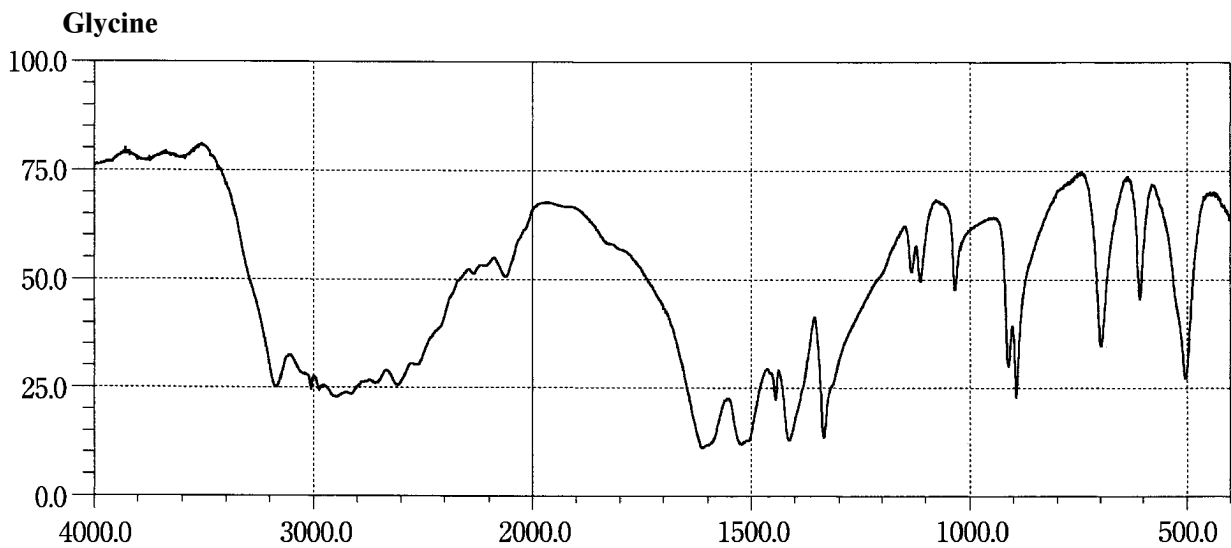
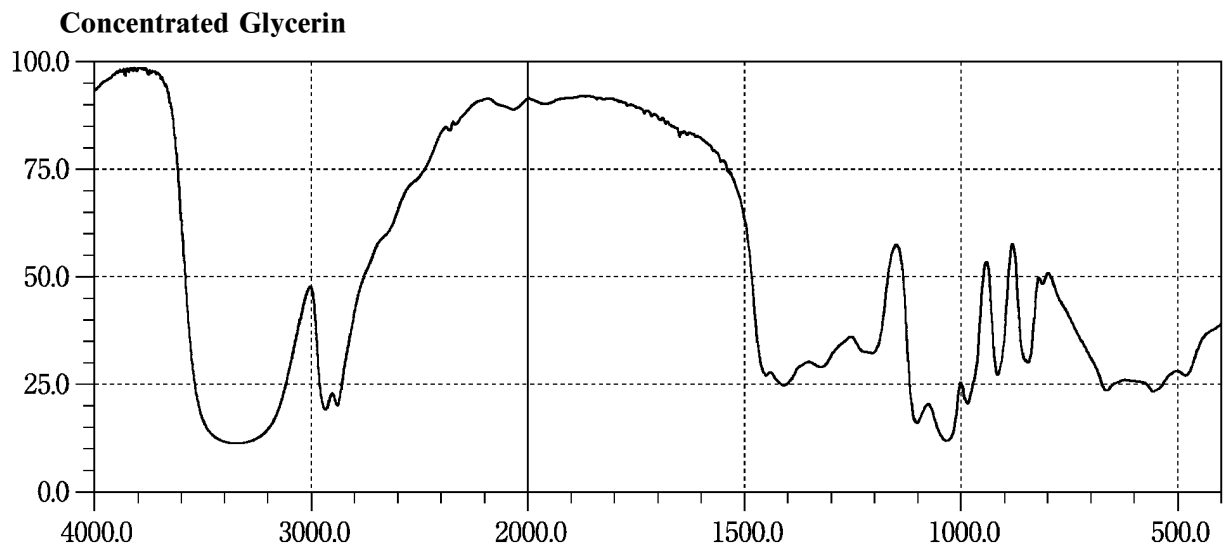
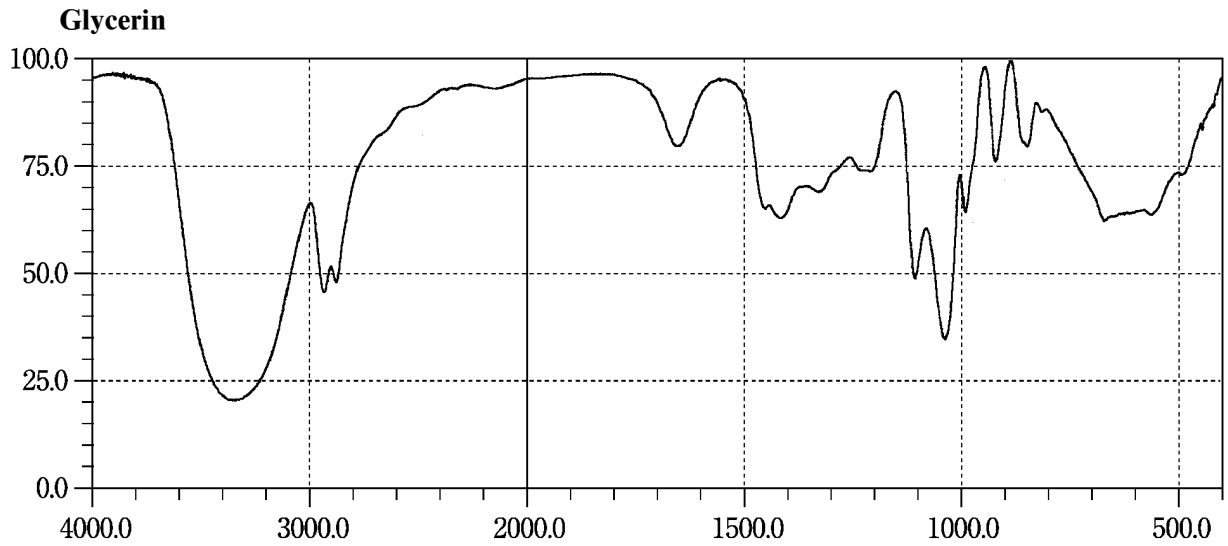




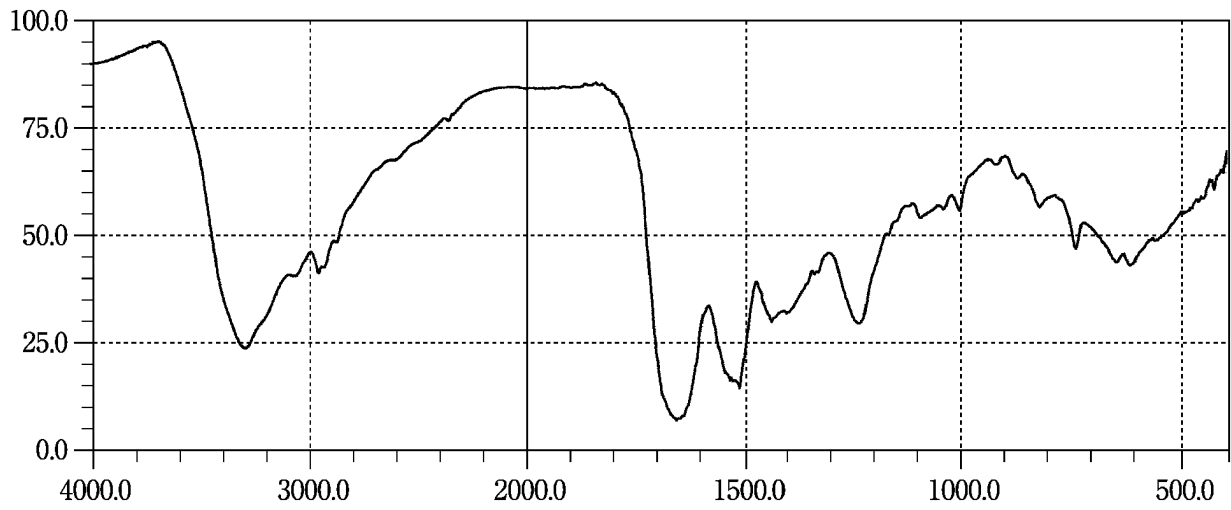
**Furosemide****Fursultiamine Hydrochloride****Gefarnate**



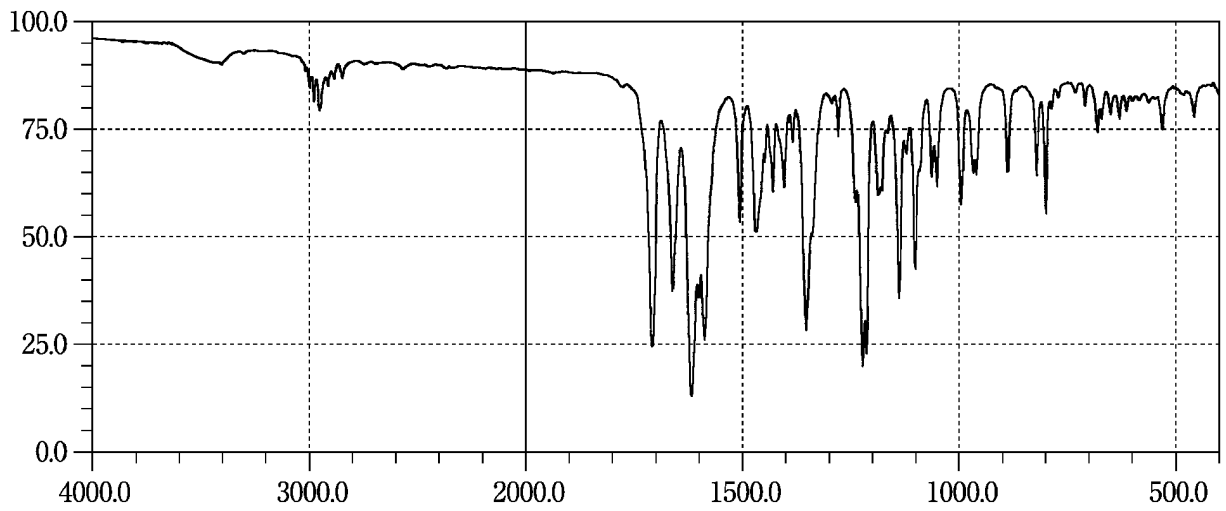
**L-Glutamic Acid****L-Glutamine****Glutathione**



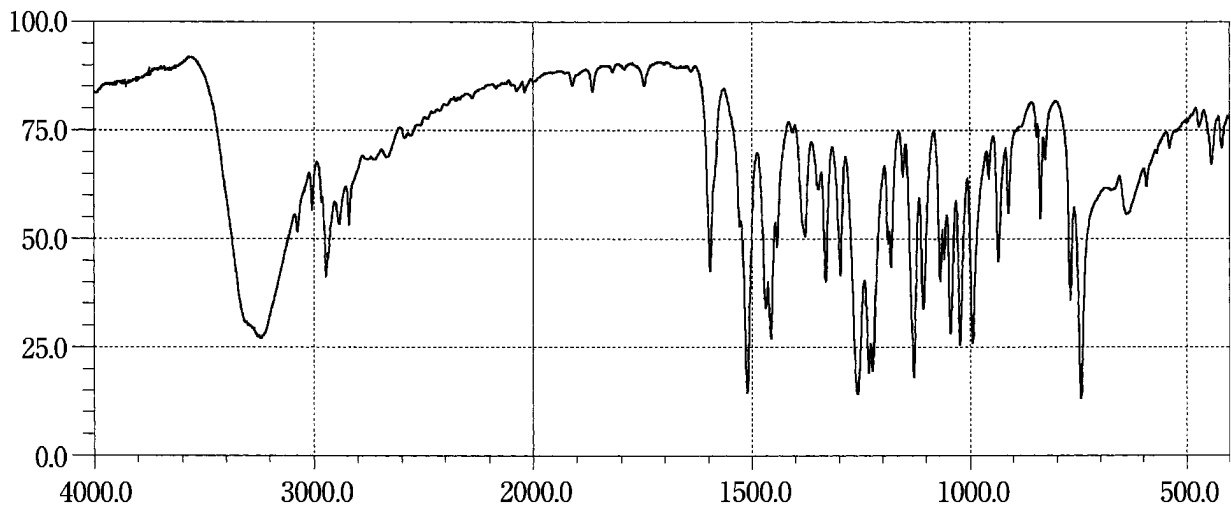
**Gonadrelin Acetate**



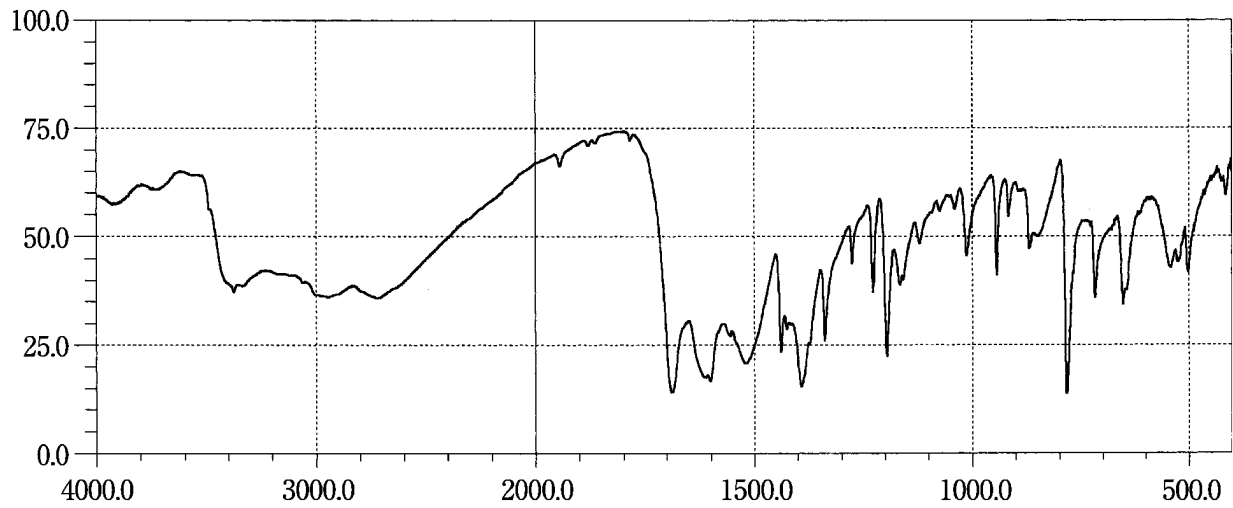
**Griseofulvin**



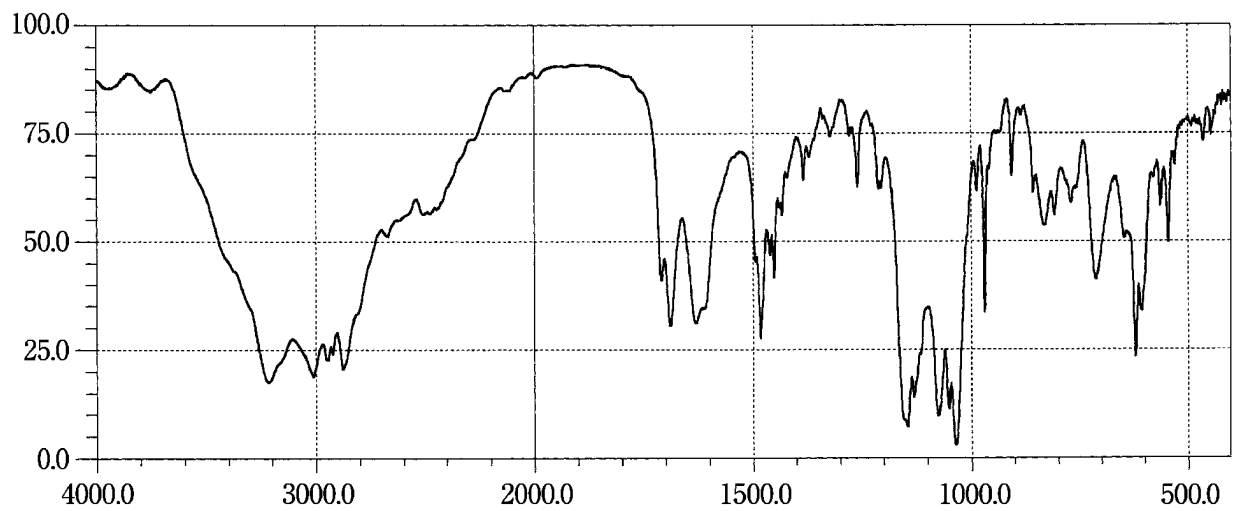
**Guaifenesin**



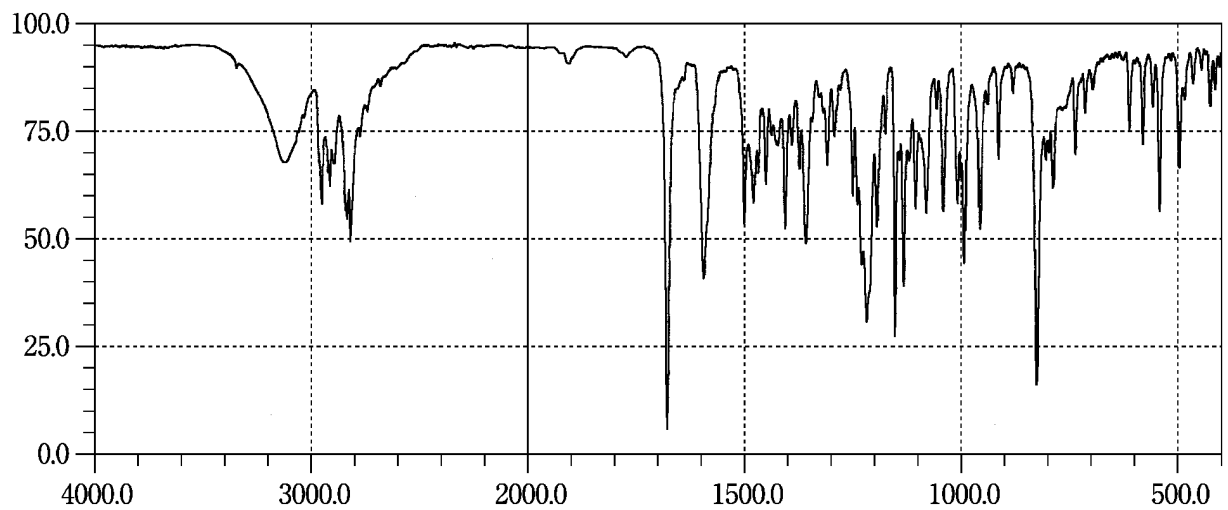
**Guanabenz Acetate**

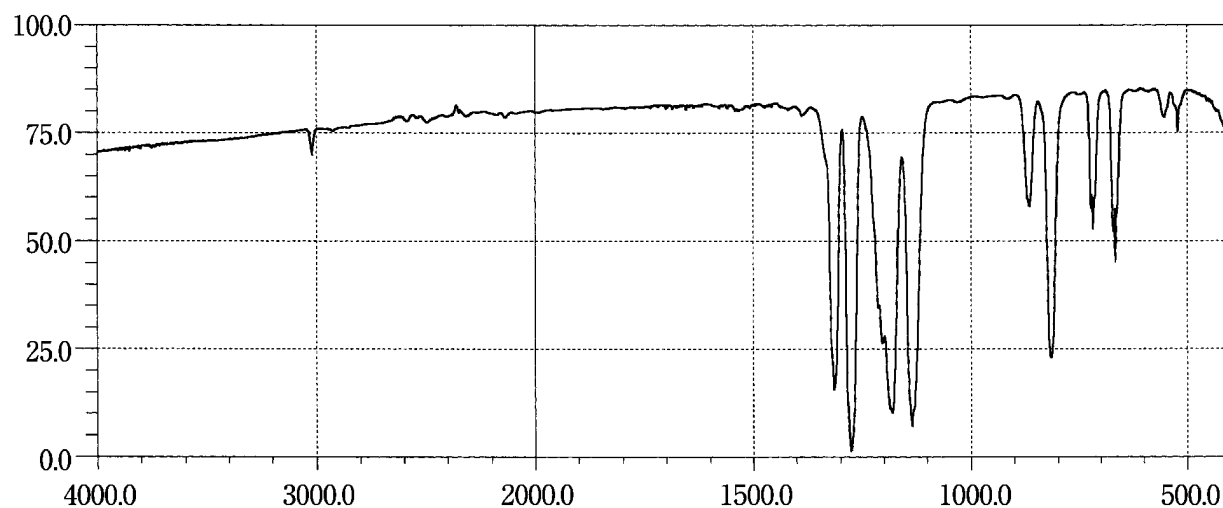
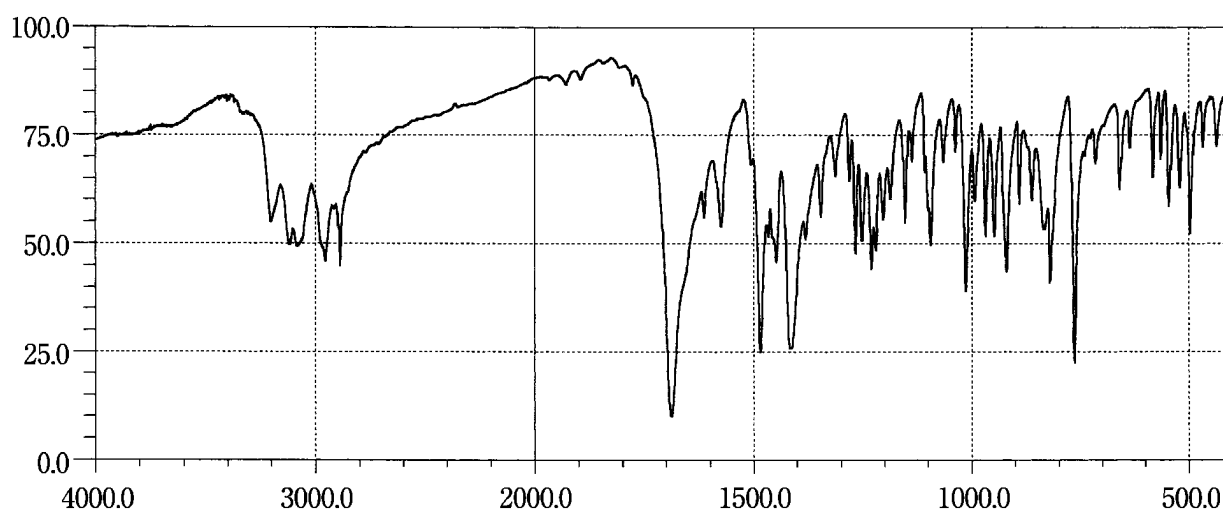
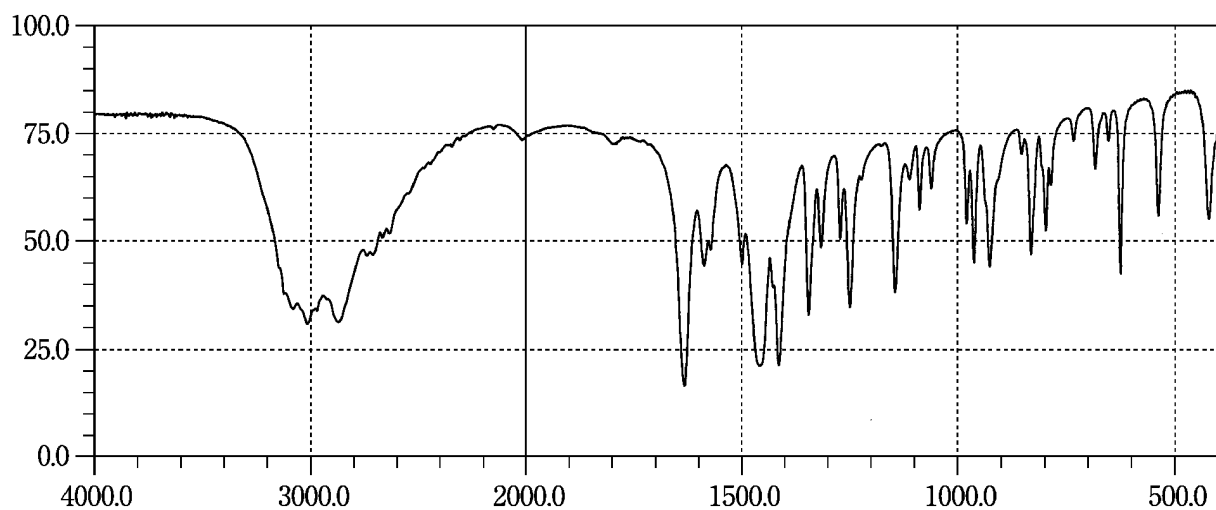


**Guanethidine Sulfate**

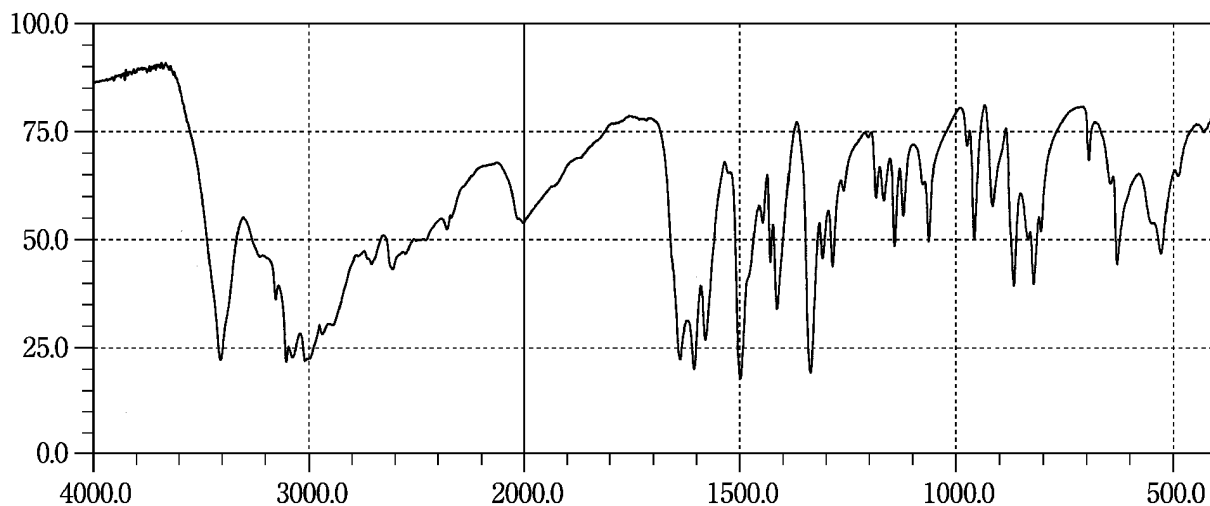


**Haloperidol**

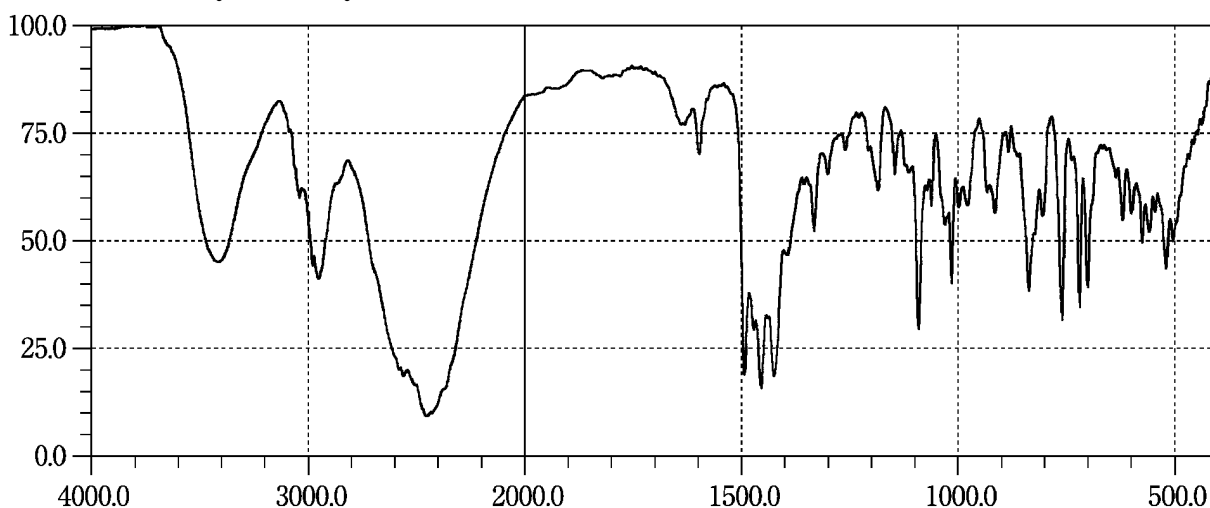


**Halothane****Haloxazolam****L-Histidine**

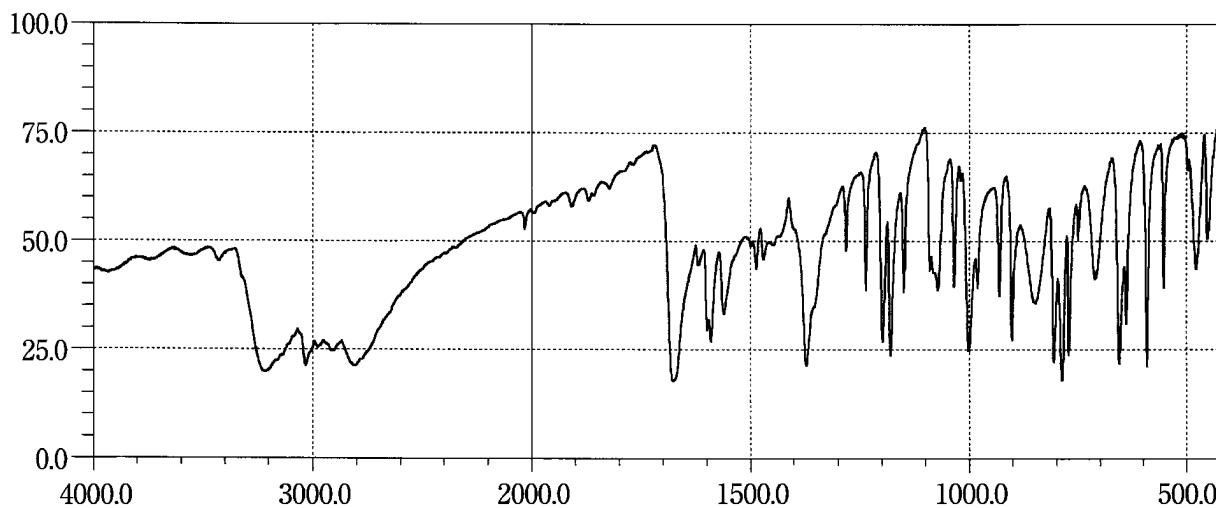
**L-Histidine Hydrochloride Hydrate**



**Homochlorcyclizine Hydrochloride**

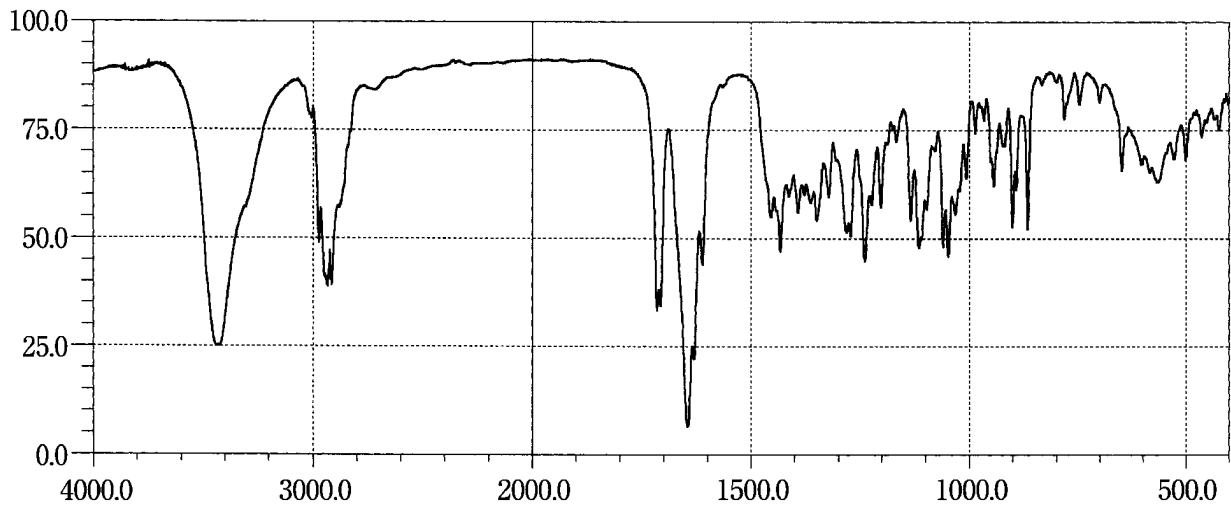


**Hydralazine Hydrochloride**

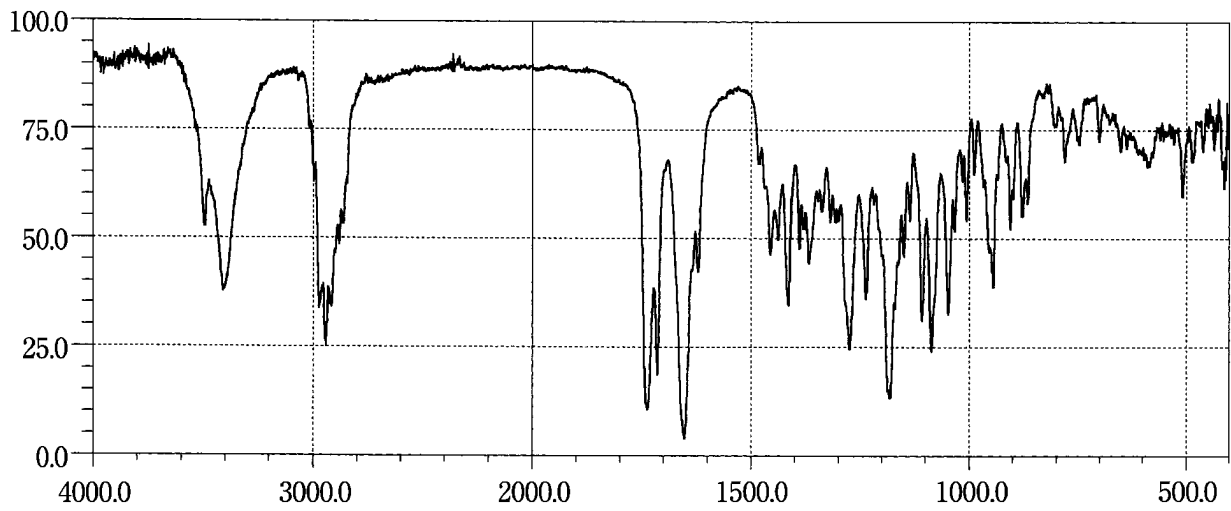




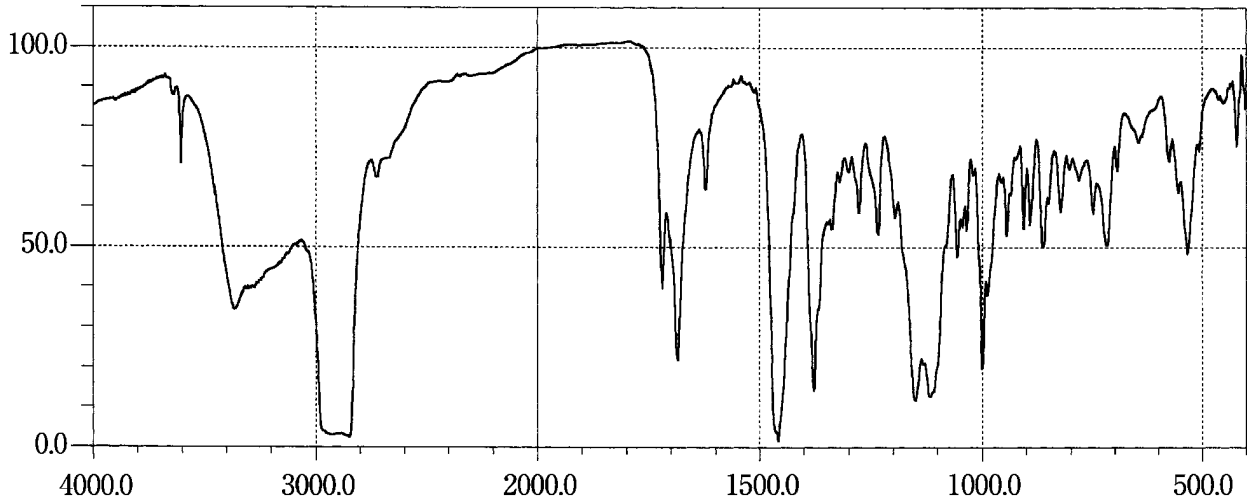
**Hydrocortisone**



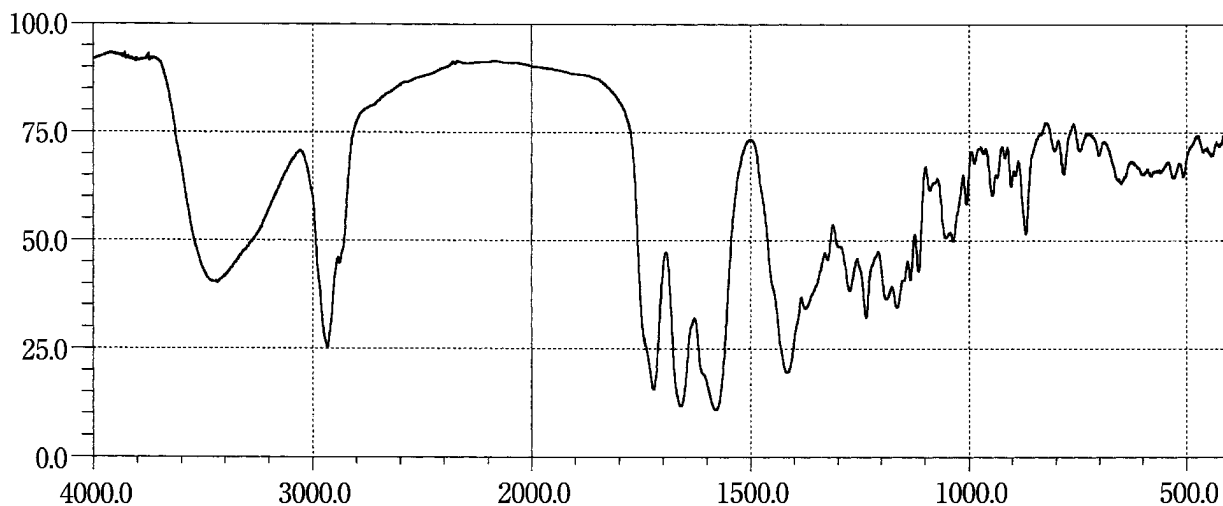
**Hydrocortisone Butyrate**



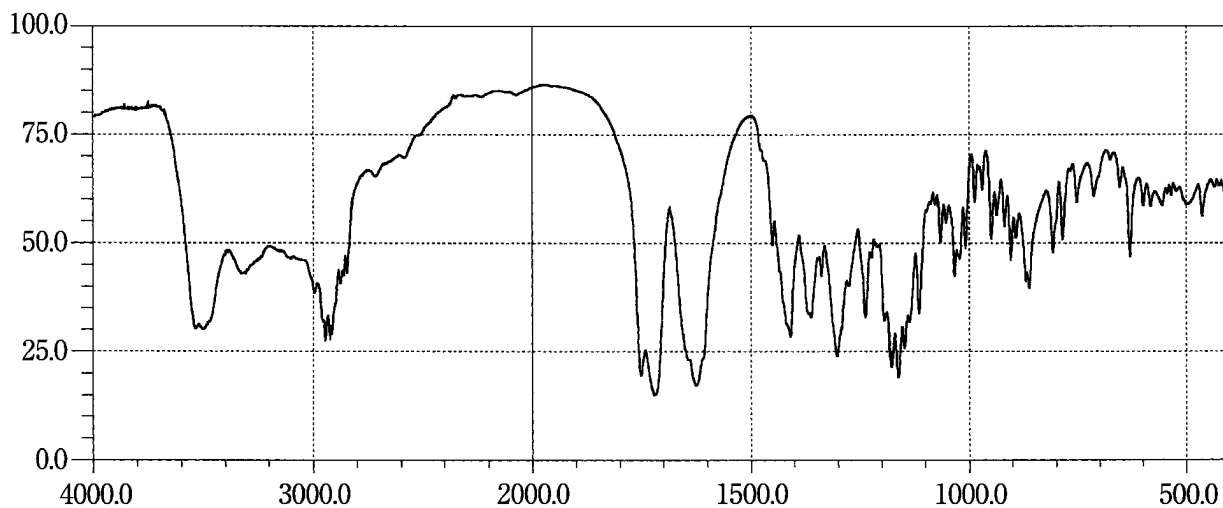
**Hydrocortisone Sodium Phosphate**



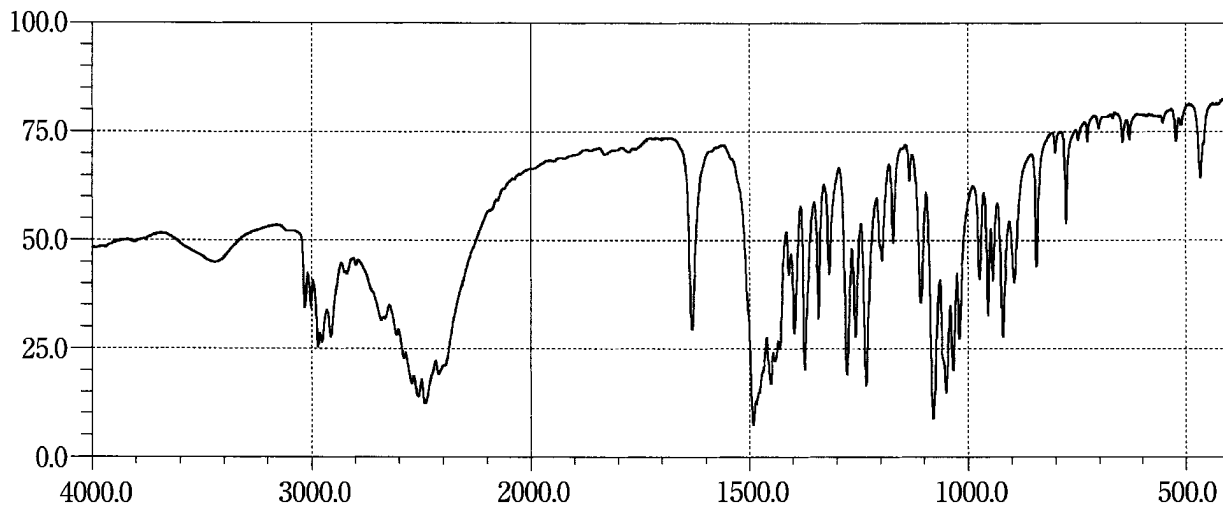
**Hydrocortisone Sodium Succinate**

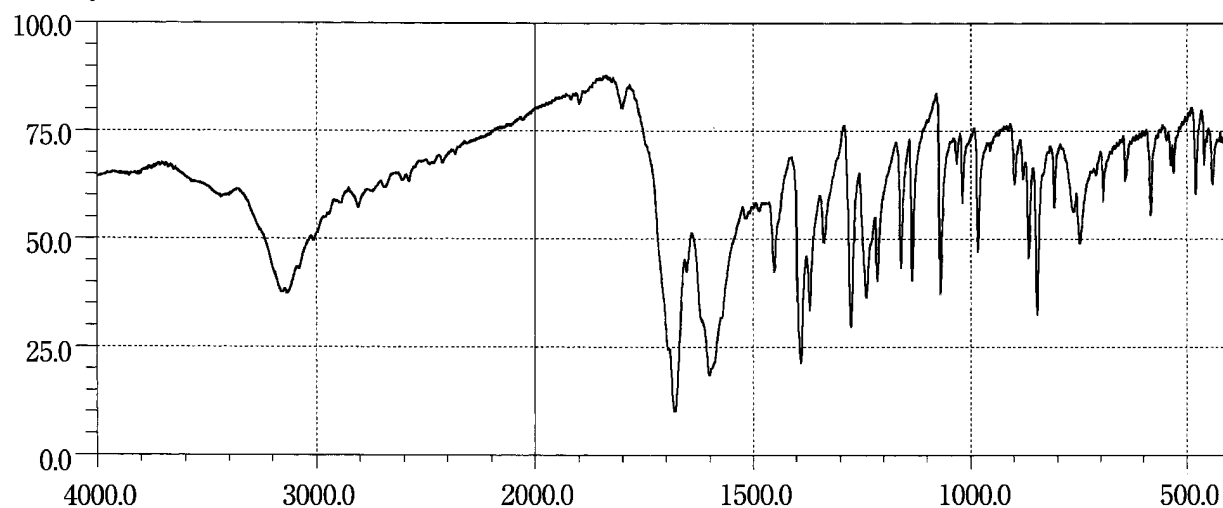
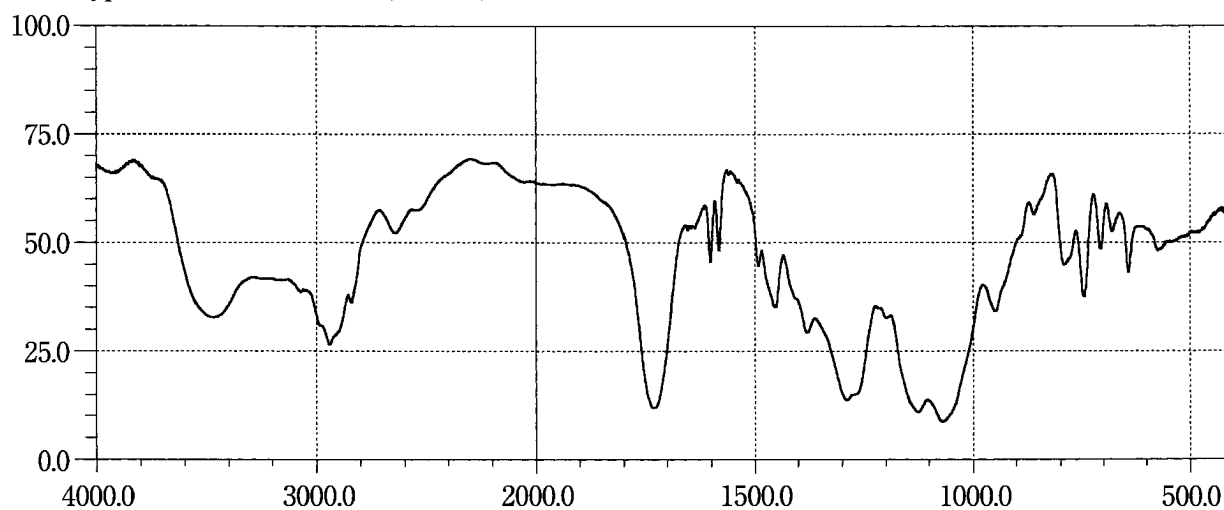
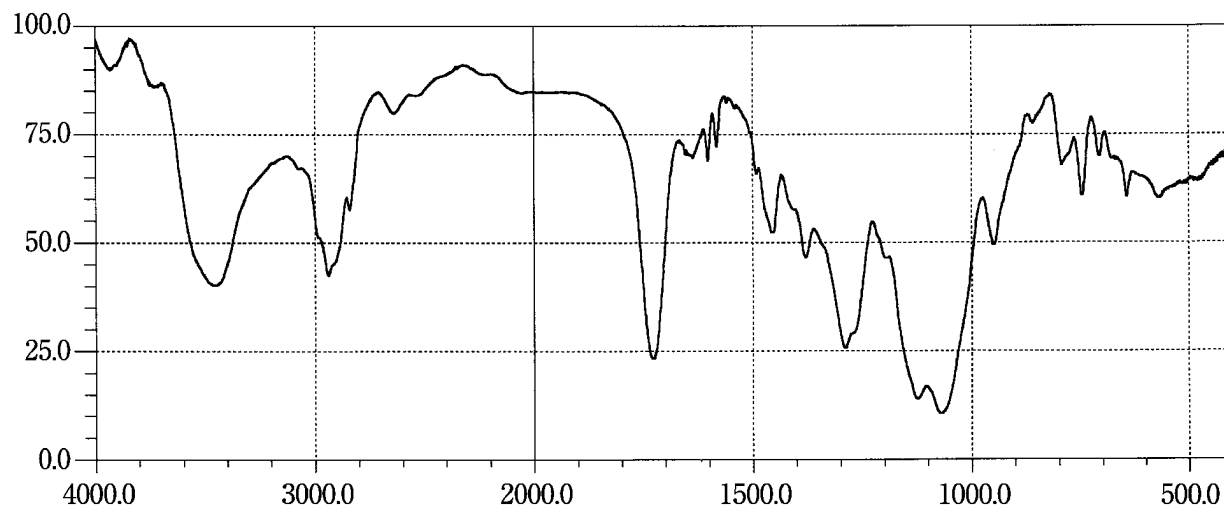


**Hydrocortisone Succinate**

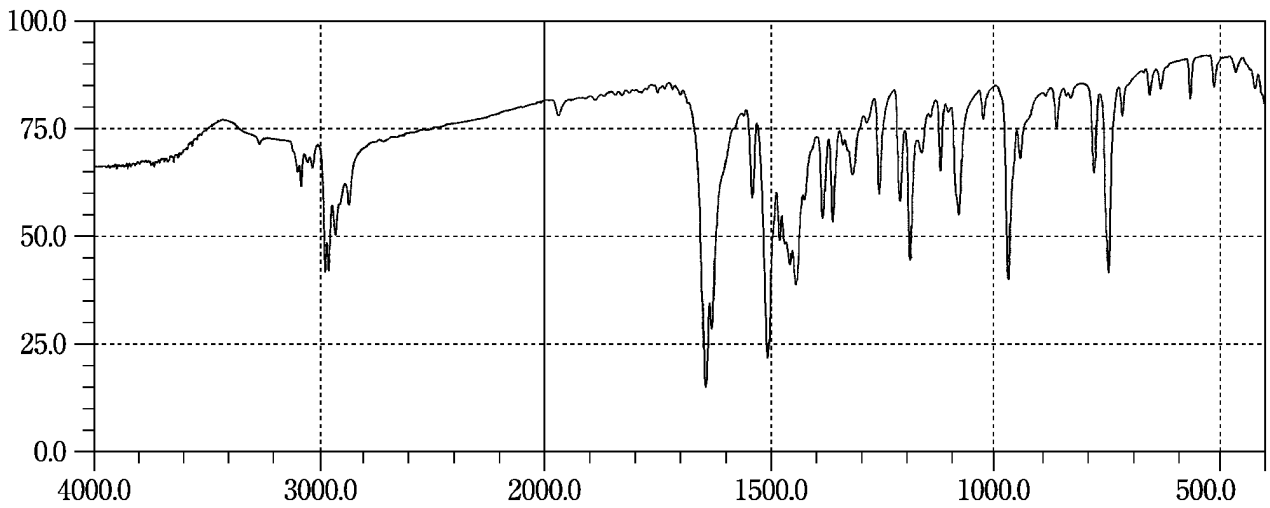


**Hydrocotarnine Hydrochloride Hydrate**

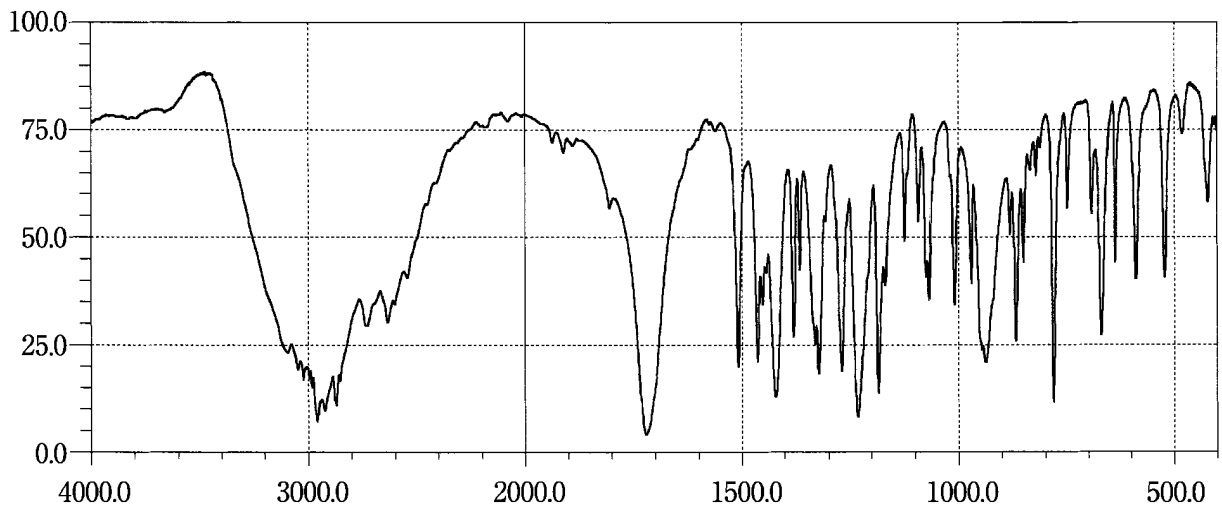


**Hymecromone****Hypromellose Phthalate (200731)****Hypromellose Phthalate (220824)**

**Ibutilast**



**Ibuprofen**



**Ifenprodil Tartrate**

