

結晶多形の最新技術と応用展開

Compound	Molecular structure	Polym (pseudo-P)	Name	Preparation of polymorphs	Transformation	Note	Ref.
RG12525		2	I, II	I: cryst. from MeOH or other solvents II: cryst. from MeOH or other solvents	SST I ↔ II	analysis XRD·DSC·IR	601) 602)
ritonavir		2	I, II			analysis XRD·IR·NMR melting point I=395K II=398K solubility	603) 604) 605)
rotenone		2	LM, HM I, II	LM: cryst. from xylene HM: cryst. from soln. containing tetralin	SST II → I	analysis DSC·IR melting point I=456-461K II=436-438K	606) 607) 608)
roxifiban		2	I, II	I: rapid cooling cryst. from MeOH II: slow cooling cryst. from MeOH	SST I ↔ II at 405K	analysis XRD·DSC·IR·Raman·NMR bulk density and tapping density solubility in acetonitrile	609) 610) 611) 612)
(RS)-proxyphylline		3	I, II, III	I: cryst. from organic solvents or H2O II: cryst. from melt at 349-368K III: cryst. from melt at 328-338K	SST III → II II → I	analysis XRD·DSC·IR·Raman·HSM melting point I=409K II=386-389K III=355-358K crystal morphology	613)
s,n-1,3-distearoyl-2-oleoylglycerol (SOS)		5	α, β, β1, β2, γ		SMT α → β with melt α → β2 with melt α → γ with melt	analysis XRD·DSC·Raman	614) 615) 616) 617) 618) 619)
s-(4-tolyl)-4-toluenethiosulfonate		2	A, B	A: cryst. from acetone B: cryst. from EtOH		crystallographic data	620)