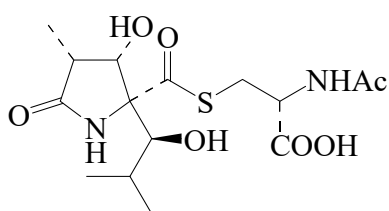




>>Entry Name: Lactacystin



Absolute
Configuration

CAS Registry Number: 133343-34-7

Related CAS Registry Numbers(s): 133398-98-8

Molecular Formula: C₁₅H₂₄N₂O₇S

Molecular Weight: 376.43

Accurate Mass: 376.130423

Percentage Composition: C 47.86%; H 6.43%; N 7.44%; O 29.75%; S 8.52%

Biological Source: Prod. by a *Streptomyces* sp.

Biological Use/Importance: Induces differentiation of neuroblastoma cells

Physical Description: Needles

Melting Point: Mp 237-238 dec.°

Optical Rotation: [α]_D²⁵ +71.3 (c, 0.5 in MeOH)

Solubility: BERDY SOL: Sol. H₂O, Py, DMSO, MeOH; poorly sol. EtOAc, hexane, C₆H₆, CHCl₃

UV: [neutral] $\lambda_{\max}$ 0 (end) (ϵ) (MeOH) (Derep) [neutral] $\lambda_{\max}$ 239 (E1%/1cm 170) (MeOH) (Berdy)

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