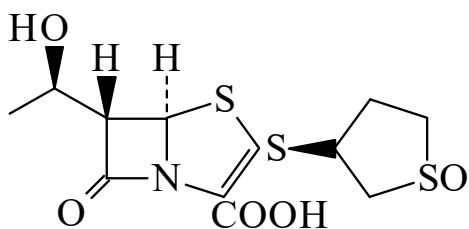




>>Entry Name: Sulopenem, INN, USAN

Synonym(s): 6-(1-Hydroxyethyl)-7-oxo-3-[(tetrahydro-3-thienyl)thio]-4-thia-1-azabicyclo[3.2.0]hept-2-ene-2-carboxylic acid S-oxide, 9Cl. CP 70429



CAS Registry Number: 120788-07-0

Related CAS Registry Numbers(s): 96864-69-6 96865-21-3 107318-80-9 112294-81-2 112294-82-3 128443-48-1 130693-78-6

Molecular Formula: C₁₂H₁₅NO₅S₃

Molecular Weight: 349.452

Accurate Mass: 349.011234

Percentage Composition: C 41.25%; H 4.33%; N 4.01%; O 22.89%; S 27.53%

Use/Importance: Antibacterial agent

Physical Description: Cryst.

Melting Point: Mp 135 dec.°

Optical Rotation: [α]_D +366.01 (c, 1.0 in DMSO)

Calculated Log P Data: Log P -1.75 (uncertain value) (calc)

References:

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Gootz, T. *et al.*, *J. Antibiot.*, 1990, **43**, 422, (*pharmacol*)

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Volkman, R.A. *et al.*, *Strategies Tactics Org. Synth.*, 1991, **3**, 495, (*rev*)

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