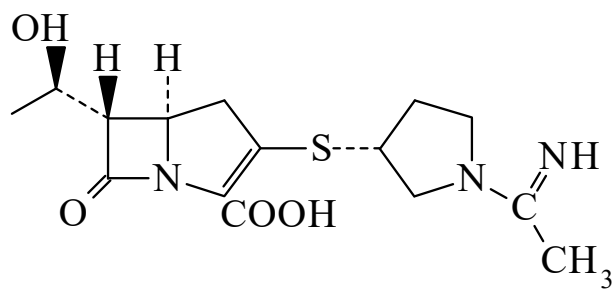




>>Entry Name: Panipenem, INN

Synonym(s): 6-(1-Hydroxyethyl)-3-[[1-(1-iminoethyl)-3-pyrrolidinyl]thio]-7-oxo-1-azabicyclo[3.2.0]hept-2-ene-2-carboxylic acid, 9Cl. Carbenin. Pinapenem. CS 533. RS 533



CAS Registry Number: 87726-17-8

Related CAS Registry Numbers(s): 86063-75-4 101627-53-6 138240-65-0

Molecular Formula: C₁₅H₂₁N₃O₄S

Molecular Weight: 339.415

Accurate Mass: 339.125277

Percentage Composition: C 53.08%; H 6.24%; N 12.38%; O 18.86%; S 9.45%

Biological Use/Importance: Antibiotic

Physical Description: Fine prisms

Development Status: Launched 1994 (Japan)

Melting Point: Mp 198-200 dec.°

Other Data: Mixt. with Betamipron

Hazard & Toxicity: LD₅₀ (rat, ivn) 1300 mg/kg

References:

Miyadera, T. *et al.*, *J. Antibiot.*, 1983, **36**, 1034, (*synth*)

Neu, H.C. *et al.*, *Antimicrob. Agents Chemother.*, 1986, **30**, 828, (*activity*)

Yamamoto, T. *et al.*, *Antimicrob. Agents Chemother.*, 1990, **34**, 2027, (*activity*)