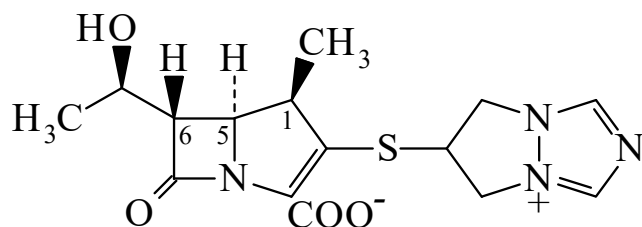




>>Entry Name: Biapenem, INN, USAN

Synonym(s): 6-[[2-Carboxy-6-(1-hydroxyethyl)-4-methyl-7-oxo-1-azabicyclo[3.2.0]hept-2-en-3-yl]thio]-6,7-dihydro-5H-pyrazolo[1,2-a][1,2,4]triazol-4-ium inner salt, 9Cl. LJC 10627. CL 186815



CAS Registry Number: 120410-24-4

Related CAS Registry Numbers(s): 103939-78-2

Molecular Formula: C<sub>15</sub>H<sub>18</sub>N<sub>4</sub>O<sub>4</sub>S

Molecular Weight: 350.398

Accurate Mass: 350.104876

Percentage Composition: C 51.42%; H 5.18%; N 15.99%; O 18.26%; S 9.15%

Use/Importance: Antibacterial agent

Physical Description: Pale yellow amorph. powder

Optical Rotation:  $[\alpha]_D^{20} -32.9$  (c, 0.5 in H<sub>2</sub>O)

#### References:

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Hikida, M. *et al.*, *Antimicrob. Agents Chemother.*, 1992, **36**, 481, (*metab*)  
Nagao, Y. *et al.*, *J.O.C.*, 1992, **57**, 4243, (*synth. ir, pmr*)  
Malanoski, G.J. *et al.*, *Antimicrob. Agents Chemother.*, 1993, **37**, 2009, (*activity*)  
Hikida, M. *et al.*, *Arzneim.-Forsch.*, 1993, **43**, 71, (*pharmacol*)  
Kumagai, T. *et al.*, *Heterocycles*, 1993, **36**, 1729, (*synth*)  
Wildonger, K.J. *et al.*, *J. Antibiot.*, 1993, **46**, 1866, (*synth*)  
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