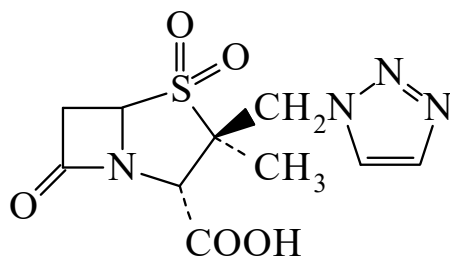




>>Entry Name: Tazobactam, BAN, INN

Synonym(s): 3-Methyl-7-oxo-3-(1*H*-1,2,3-triazol-1-ylmethyl)-4-thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid 4,4-dioxide, 9Cl. Taxocint. YTR 830H



CAS Registry Number: 89786-04-9

Related CAS Registry Numbers(s): 123683-33-0

Molecular Formula: C₁₀H₁₂N₄O₅S

Molecular Weight: 300.295

Accurate Mass: 300.052841

Percentage Composition: C 40.00%; H 4.03%; N 18.66%; O 26.64%; S 10.68%

Use/Importance: β-Lactamase inhibitor

Development Status: Launched 1992 (France)

Calculated Log P Data: Log P -0.66 (calc)

>>Derivative: Na salt

Synonym(s): Tazobactam sodium, USAN

CAS Registry Number: 89785-84-2

Melting Point: Mp 170 dec.°

Other Data: Component of Tazocilline

References:

Hall, T.W. *et al.*, *Spec. Publ. - R. Soc. Chem.*, 1985, **52**, 242, (rev)

Appelbaum, P.C. *et al.*, *Antimicrob. Agents Chemother.*, 1986, **30**, 789, (activity)

Yamake, S. *et al.*, *Chemioterapia*, 1987, **6**, 337, (pharmacol)

Micetich, R.G. *et al.*, *J. Med. Chem.*, 1987, **30**, 1469, (synth, pharmacol)

Wise, R. *et al.*, *Antimicrob. Agents Chemother.*, 1991, **35**, 1081