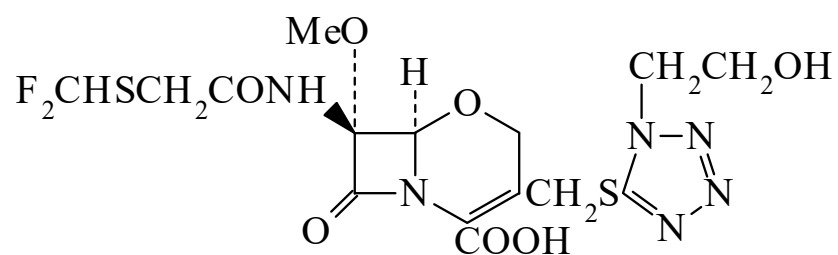




>>Entry Name: Flomoxef, INN

Synonym(s): 7-[[[(Difluoromethyl)thio]acetyl]amino]-3-[[[1-(2-hydroxyethyl)-1H-tetrazol-5-yl]thio]methyl]-7-methoxy-8-oxo-5-oxa-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid, 9Cl. Flumarin. 6315 S



CAS Registry Number: 99665-00-6

Related CAS Registry Numbers(s): 92823-00-2 92823-03-5

Molecular Formula: C₁₅H₁₈F₂N₆O₇S₂

Molecular Weight: 496.472

Accurate Mass: 496.064645

Percentage Composition: C 36.29%; H 3.65%; F 7.65%; N 16.93%; O 22.56%; S 12.92%

Use/Importance: Antibiotic

Development Status: Launched 1988

Calculated Log P Data: Log P -1.93 (uncertain value) (calc)

>>Derivative: Na salt

Synonym(s): Flomoxef sodium, JAN

CAS Registry Number: 96647-03-9

Physical Description: Cryst. +1H₂O (Me₂CO/CH₂Cl₂)

Melting Point: Mp 82.5-87.5°

Hazard & Toxicity: LD₅₀ (rat, orl) >10000 mg/kg

References:

Tsuji, S. *et al.*, *J. Antibiot.*, 1985, **38**, 466, (*synth, props*)

Nakai, H. *et al.*, *Acta Cryst. C*, 1987, **43**, 2153, (*cryst struct*)

Muraoka, Y. *et al.*, *Chemotherapy (Tokyo)*, (Suppl. 1), 1987, **35**, 207, (*pharmacol, tox, metab, numerous papers*)

Werner, H. *et al.*, *Arzneim.-Forsch.*, 1988, **38**, 1553, (*activity*)

Yoshida, T. *et al.*, *Drugs of Today (Barcelona)*, 1989, **25**, 487, (*rev*)

Martindale, *The Extra Pharmacopoeia*, 30th edn., Pharmaceutical Press, 1993, 166