

Product Datasheet

Ceftaroline fosamil (orb1299865)

Catalog Number	orb1299865
Category	Small Molecules
Description	Ceftaroline fosamil (TAK-599) is a broad-spectrum cephalosporin antibiotic effective against resistant Gram-positive bacteria, including MRSA. It is widely used in microbiological and pharmacological research for both in vitro susceptibility testing and in vivo efficacy studies in animal infection models.
Target	Antibiotic, Antibacterial
Purity	97.09% (May vary between batches)
MW	744.74
Target Areas	Antibacterial Antibiotic
Solubility (25°C)	DMSO:14 mg/mL (18.8 mM);10% DMSO+40% PEG300+5% Tween 80+45% Saline:2 mg/mL (2.69 mM)
CAS Number	400827-46-5
Formula	C ₂₄ H ₂₅ N ₈ O ₁₀ PS ₄
SMILES	<chem>CCON=C(C1=NSC(=N1)NP(=O)(O)O)C(=O)NC2C3N(C2=O)C(=C(CS3)SC4=NC(=CS4)C5=CC=[N+](C=C5)C)C(=O)O.CC(=O)[O-]</chem>
Storage	-20°C
Note	For research use only
Expiration Date	12 months from date of receipt.

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