

Product Datasheet

Biapenem (orb1300791)

Catalog Number	orb1300791
Category	Small Molecules
Description	Biapenem (CLI 86815) is a 1-beta-methylcarbapenem antibiotic with broad-spectrum activity comparable to imipenem. It exhibits enhanced stability against renal dehydropeptidase-I and reduced neurotoxicity. This compound is utilized in microbiological and pharmacological research, including in vitro susceptibility testing and in vivo efficacy studies against various bacterial infections.
Target	Antibiotic, Antibacterial
Purity	99.57%
MW	350.39
Target Areas	Antibacterial Antibiotic
Solubility (25°C)	H2O:10 mM;DMSO:Insoluble
CAS Number	120410-24-4
Formula	C ₁₅ H ₁₈ N ₄ O ₄ S
SMILES	C([O-])(=O)C=1N2[C@@]([C@@]([C@@H](C)O)(C2=O)[H])([C@@H](C)C1SC3CN4[N+](C3)=CN=C4)[H]
Storage	store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year Shipping with blue ice/Shipping at ambient temperature.
Note	For research use only
Expiration Date	12 months from date of receipt.

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