

Product Datasheet

CHIR-090 (orb1303872)

Catalog Number	orb1303872
Category	Small Molecules
Description	CHIR-090 is a potent and selective small molecule inhibitor of the LpxC enzyme, exhibiting antibiotic activity. It is a valuable research tool for studying Gram-negative bacterial infections and peptidoglycan biosynthesis in both in vitro and in vivo experimental models.
Target	Antibacterial, Antibiotic
Purity	96.10%
MW	437.49
Target Areas	Antibiotic Antibacterial
Solubility (25°C)	10% DMSO+40% PEG300+5% Tween-80+45% Saline:1 mg/mL (2.29 mM);DMSO:60 mg/mL (137.15 mM)
CAS Number	728865-23-4
Formula	C ₂₄ H ₂₇ N ₃ O ₅
SMILES	<chem>C[C@@H](O)[C@H](NC(=O)c1ccc(cc1)C#Cc1ccc(CN2CCOCC2)cc1)C(=O)NO</chem>
Storage	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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