

Product Datasheet

MBL-IN-5 (orb3028045)

Catalog Number	orb3028045
Category	Small Molecules
Description	MBL-IN-5 is an inhibitor of metallo-β-lactamase (MBL). It effectively suppresses three clinically significant B1 subfamily MBLs: NDM-1, VIM-1, and IMP-1 with IC50 values of 0.05 nM, 14 nM, and 21 nM respectively. MBL-IN-5 notably enhances the efficacy of carbapenem antibiotics against MBL-producing clinical strains and, when combined with IPM antibiotics, significantly reduces bacterial load in a thigh infection model.
Target	Beta-lactamase,Antibacterial
MW	353.80
CAS Number	2876921-34-3
Formula	C ₂₀ H ₁₆ ClNO ₃
SMILES	O=C(O)C=1NC=2C=3C=CC=CC3CCC2C1C=4C=C(Cl)C=CC4OC
Storage	-20°C
Note	For research use only
Expiration Date	12 months from date of receipt.

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