

Product Datasheet

SA09-Cu (orb2278261)

Description	SA09-Cu is a potent, noncompetitive inhibitor of NDM-1, with an IC50 of 9.6 nM. It inactivates NDM-1 by oxidizing the enzyme's Zn(II)-thiolate site and resists reduction by bacterial intracellular thiols. SA09-Cu effectively restores Meropenem efficacy against various clinical NDM-1-producing carbapenem-resistant Enterobacteriaceae (CRE) and hampers the progression of carbapenem resistance [1].
Storage	-20°C
Note	For research use only
Formula	$C_8H_{16}CuN_2O_2S_4$
Purity	98.00%
MW	364.03
CAS Number	155641-16-0
SMILES	<chem>N(CCO)(C)C=1[S-][Cu+2]2([S-]C(N(CCO)C)=[S]2)[S]1</chem>
Expiration Date	12 months from date of receipt.

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