

Product Datasheet

MBL-IN-3 (orb2565818)

Catalog Number	orb2565818
Category	Small Molecules
Description	MBL-IN-3 (72922413) is a potent NDM-1 inhibitor ($IC_{50} = 54 \pm 4 \mu M$) that restores meropenem efficacy against NDM-1-expressing clinical Enterobacteriaceae. This compound serves as a key research tool in antibiotic resistance studies, specifically for investigating β -lactamase inhibitors and combination therapies in vitro.
Target	Antibacterial
MW	359.38
CAS Number	1452395-68-4
Formula	$C_{18}H_{21}N_3O_5$
SMILES	<chem>OC1C2(CCN(C(=O)C=3C(=O)N4C(=NC3)C(O)=CC=C4)CC2)OCCCC1</chem>
Storage	-20°C
Note	For research use only
Expiration Date	12 months from date of receipt.

Biorbyt Ltd.

7 Signet Court, Swann Road
Cambridge
CB5 8LA
United Kingdom

Email: info@biorbyt.com, support@biorbyt.com
Phone: [+44 \(0\)1223 859353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

Biorbyt LLC

68 TW Alexander Drive
Research Triangle Park
Durham
NC 27713
United States

Email: info@biorbyt.com, support@biorbyt.com
Phone: [+1 \(415\) 906-5211](tel:+1(415)906-5211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)