

Product Datasheet

Amikacin hydrate (orb1686207)

Catalog Number	orb1686207
Category	Small Molecules
Description	Amikacin hydrate is an aminoglycoside antibiotic with bacteriostatic activity. It is applied in research on drug-resistant Mycobacterium tuberculosis and Gram-negative infections, and is clinically used against E. coli urinary tract infections. Its efficacy is studied in both in vitro and in vivo experimental models.
Target	Antibacterial, Antibiotic
Purity	99.98% (May vary between batches)
MW	603.623
Target Areas	Antibacterial Antibiotic
Solubility (25°C)	H2O:40 mg/mL;DMSO: 1 mg/mL (insoluble or slightly soluble)
CAS Number	1257517-67-1
Formula	$C_{22}H_{43}N_5O_{13} \cdot xH_2O$
SMILES	<chem>O([C@H]1[C@H](NC([C@H](CCN)O)=O)C[C@H](N)[C@@H](O[C@H]2O[C@H](CN)[C@@H](O)[C@H](O)[C@H]2O)[C@@H]1O)[C@H]3O[C@H](CO)[C@@H](O)[C@H](N)[C@H]3O.O xH2O</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 | Fax: +1 (415) 651-8558

Biorbyt LLC

68 TW Alexander Drive
Research Triangle Park
Durham
NC 27713-2847
United States

Email: info@biorbyt.com, support@biorbyt.com

Phone: +1 (415) 906-5211 | Fax: +1 (415) 651-8558