

Product Datasheet

Amikacin disulfate (orb1300817)

Catalog Number	orb1300817
Category	Small Molecules
Description	Amikacin disulfate, also known as BAY-416651 sulfate, is a semi-synthetic derivative of kanamycin A. This aminoglycoside antibiotic is widely used in research for its potent activity against Gram-negative bacteria in both in vitro susceptibility assays and in vivo infection model studies.
Target	Antibacterial, Antibiotic
Purity	98.67% (May vary between batches)
MW	781.76
Target Areas	Antibiotic Antibacterial
Solubility (25°C)	DMSO:Insoluble;H2O:100 mg/mL (127.92 mM)
CAS Number	39831-55-5
Formula	$C_{22}H_{43}N_5O_{13} \cdot 2H_2O_4S$
SMILES	<chem>O=S(O)(O)=O.NCC[C@H](O)C(N[C@H](C[C@@H]([C@H]([C@@H]1O)O[C@H]2O[C@@H]([C@H]([C@@H]([C@H]2O)O)O)CN)N)[C@@H]1O[C@H]3O[C@@H]([C@H]([C@@H]([C@H]3O)N)O)CO)=O.O=S(O)(O)=O</chem>
Storage	-20°C
Note	For research use only
Expiration Date	12 months from date of receipt.

Biorbyt Ltd.

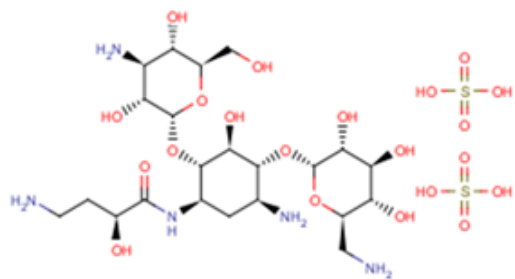
7 Signet Court, Swann Road
Cambridge
CB5 8LA
United Kingdom

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



Chemical Structure of Amikacin disulfate.

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)6518558)

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](tel:+1(415)9065211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)6518558)