

Product Datasheet

Amikacin disulfate (orb1940985)

Catalog Number	orb1940985
Category	Small Molecules
Description	Amikacin sulfate(BAY416651 sulfate) is a semi-synthetic aminoglycoside antibiotic derived from kanamycin A.(In Vitro):Amikacin offers definite advantages for treating infections caused by organisms resistant to other aminoglycosides. Amikaci is affected by relatively few arninglycoside-modifying enzymes. Amikacin is useful in the treatment of infections caused by Nocardia asteroides, Mycobacterium avium-intracellulare, and certain species of "rapid-growing" mycobacteria (that is, M. chelonae and M. fortuitumi).Amikacin (100-1500 μM) causes a reliable dose-dependent loss of lateral line zebrafish hair cells with a LD50 value of 453 μM.(In Vivo):Amikacin (320 mg/kg; subcutaneous injection; daily; for 10 days; male Fischer rats) treatment increases the chance of serious hearing loss in rats in vivo.
Target	5-HT Receptor
Purity	>98% (HPLC)
MW	781.76
Target Areas	16S rRNA
Solubility (25°C)	H2O : ≥ 50 mg/mL; 63.96 mM
CAS Number	39831-55-5
Formula	$C_{22}H_{43}N_5O_{13} \cdot 2H_2O_4S$
SMILES	<chem>OS(O)(=O)=O.OS(O)(=O)=O.NCC[C@H](O)C(=O)N[C@@H]1C[C@H](N)[C@@H](O[C@H]2O[C@H](CN)[C@@H](O)[C@H](O)[C@H]2O)[C@H](O)[C@H]1O[C@H]1O[C@H](CO)[C@@H](O)[C@H](N)[C@H]1O</chem>
Storage	Storage temperature: -20°C. Stability: ≥ 2 years

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

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 27713-2847
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)