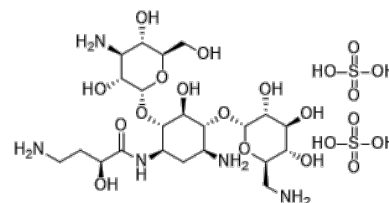


Product Name	: Amikacin disulfate
Cat. No.	: PC-25700
CAS No.	: 39831-55-5
Molecular Formula	: $C_{22}H_{47}N_5O_{21}S_2$
Molecular Weight	: 781.75
Target	: Bacterial
Solubility	: 10 mM in DMSO



Biological Activity

Amikacin (BAY 41-6551) disulfate is an aminoglycoside antibiotic that is active against most Gram-negative bacteria, including gentamicin- and tobramycin-resistant strains (*E. coli*, MIC=512 ug/mL), induces thioredoxin-interacting protein (TXNIP) up-regulation and suppresses migration and invasion in MDA-MB-231 cells.

References

Fattorini L, et al. Antimicrob Agents Chemother. 1998 Mar;42(3):712-4.

Wang YH, et al. *Toxics*. 2020 Nov 20;8(4):108.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

E-mail: tech@probechem.com