

Streptonigrin (racemate)

Chemical Properties

CAS No. :	1079893-79-0
Formula:	C ₂₅ H ₂₂ N ₄ O ₈
Molecular Weight:	506.46
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Streptonigrin is an aminoquinone antitumor and antibacterial antibiotic produced by <i>Streptomyces flocculus</i> . Streptonigrin inhibits β -Catenin/Tcf signaling and shows cytotoxicity in β -catenin-activated cells. Streptonigrin induces delayed chromosomal instability involving interstitial telomeric sequences in Chinese hamster ovary cells. Note: Streptonigrin from natural resource is (-)-rotation, has CAS#3930-19-6 and is a R-isomer.
Targets(IC50)	Others,Antibiotic,PAD

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9745 mL	9.8724 mL	19.7449 mL
5 mM	0.3949 mL	1.9745 mL	3.949 mL
10 mM	0.1974 mL	0.9872 mL	1.9745 mL
50 mM	0.0395 mL	0.1974 mL	0.3949 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481