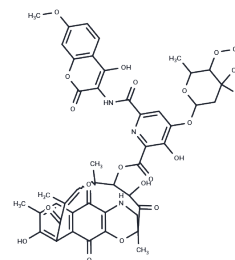


Protorubradirin

Chemical Properties

CAS No. :	122525-61-5
Formula:	C48H46N4O19
Molecular Weight:	982.89
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	Protorubradirin is an antibiotic that can be isolated from the non-pigmented <i>Streptomyces achromogenes</i> var. <i>rubradiris</i> alongside Rubradirin. It exhibits inhibitory activity against HIV reverse transcriptase. In vitro studies show that Protorubradirin also inhibits strains of <i>Staphylococcus aureus</i> and <i>Streptococcus</i> . In infected mice, subcutaneous administration of Protorubradirin demonstrates in vivo efficacy against antibiotic-resistant <i>Staphylococcus aureus</i> strains. However, oral administration may significantly reduce its activity compared to Rubradirin, possibly due to its C-nitroso sugar decomposing more rapidly in acidic gastric conditions.
Targets(IC50)	Reverse Transcriptase,Antibiotic

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.0174 mL	5.087 mL	10.1741 mL
5 mM	0.2035 mL	1.0174 mL	2.0348 mL
10 mM	0.1017 mL	0.5087 mL	1.0174 mL
50 mM	0.0203 mL	0.1017 mL	0.2035 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

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