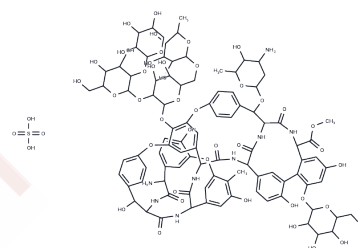


Ristocetin A (sulfate)

Chemical Properties

CAS No. :	90831-71-3
Formula:	C ₉₅ H ₁₁₂ N ₈ O ₄₈ S
Molecular Weight:	2166.01
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	Ristocetin A, a glycopeptide related to vancomycin, is an antibiotic produced by the microorganism <i>Nocardia lurida</i> [1].
Targets(IC50)	Others
In vitro	Ristocetin A is currently in clinical use to treat bacterial infections [1]. Ristocetin A is an antibiotic which can be used to treat staphylococcal infections. The side effects of ristocetin A include thrombocytopenia and platelet agglutination. Ristocetin A has been used in two assays: the ristocetin cofactor assay and the ristocetin-induced platelet aggregation assay. These two assays could be used to diagnosis the von Willebrand disease and other bleeding disorders [2, 3]. The structural features of Ristocetin A are similar to vancomycin.

Solubility Information

Solubility	DMSO: Soluble DMF: Soluble Methanol: Soluble Ethanol: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.4617 mL	2.3084 mL	4.6168 mL
5 mM	0.0923 mL	0.4617 mL	0.9234 mL
10 mM	0.0462 mL	0.2308 mL	0.4617 mL
50 mM	0.0092 mL	0.0462 mL	0.0923 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.

Reference

Pearson A J, Heo J N. Approaches to the fully functionalized DEF ring system of ristocetin A via highly selective ruthenium-promoted SNAr reaction[J]. *Organic letters*, 2000, 2(19): 2987-2990. Hawks G H. Antibiotic therapy of staphylococcal infections[J]. *Canadian Medical Association journal*, 1965, 93(16): 848.

Castaman, G. ,Hillarp, A. and Goodeve, A. Laboratory aspects of von Willebrand disease: Test repertoire and options for activity assays and genetic analysis. *Haemophilia* 20(suppl 4), 65-70 (2014).

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