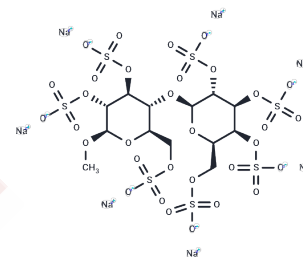


STC314

Chemical Properties

CAS No. :	186295-19-2
Formula:	C ₁₃ H ₁₇ Na ₇ O ₃₂ S ₇
Molecular Weight:	1070.64
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	STC314 is an anti-infective agent that reverses organ damage caused by excessive immune response by neutralizing extracellular histones and neutrophil trapping networks, and can be used in the study of sepsis and acute respiratory distress syndrome (ARDS). STC314 protects the stability of lipid bilayers, and inhibits platelet activation and erythrocyte damage. STC314 is also used in the study of prostate cancer. Nardeterol HCl is a selective kappa agonist with analgesic activity.
Targets(IC50)	Others, Antibacterial

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.934 mL	4.6701 mL	9.3402 mL
5 mM	0.1868 mL	0.934 mL	1.868 mL
10 mM	0.0934 mL	0.467 mL	0.934 mL
50 mM	0.0187 mL	0.0934 mL	0.1868 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

Connor H O' Meara, et al. Neutralizing the pathological effects of extracellular histones with small polyanions. Nat Commun. 2020 Dec 16;11(1):6408.

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