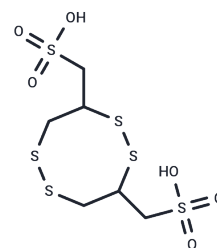


ST166 free acid

Chemical Properties

CAS No. : 50580-23-9
 Formula: C₆H₁₂O₆S₆
 Molecular Weight: 372.55
 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	ST166 free acid is an inhibitor of the PhoP-DNA complex formation, with IC ₅₀ values of 18 μM and 24 μM, effectively hindering the binding of PhoP and MtrAC to DNA. Additionally, ST166 free acid exhibits antibacterial activity against Mycobacterium marinum.
Targets(IC ₅₀)	Antibacterial

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6842 mL	13.421 mL	26.842 mL
5 mM	0.5368 mL	2.6842 mL	5.3684 mL
10 mM	0.2684 mL	1.3421 mL	2.6842 mL
50 mM	0.0537 mL	0.2684 mL	0.5368 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

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