

Mycobactin S

Chemical Properties

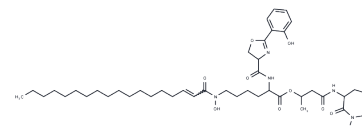
CAS No. : 26769-11-9

Formula: C₄₄H₆₉N₅O₁₀

Molecular Weight: 828.061

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	Mycobactin S is made from metabolic products of the acid-resistant form of <i>Mycobacterium phlei</i> , a tuberculosis bacillus derived originally from the cold-blooded sea turtle. Importantly, it is not based on cell wall fragments or killed bacteria.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.2076 mL	6.0382 mL	12.0764 mL
5 mM	0.2415 mL	1.2076 mL	2.4153 mL
10 mM	0.1208 mL	0.6038 mL	1.2076 mL
50 mM	0.0242 mL	0.1208 mL	0.2415 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.

Reference

Madigan CA, Martinot AJ, Wei JR, Madduri A, Cheng TY, Young DC, Layre E, Murry JP, Rubin EJ, Moody DB. Lipidomic analysis links mycobactin synthase K to iron uptake and virulence in *M. tuberculosis*. PLoS Pathog. 2015 Mar 27;11

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