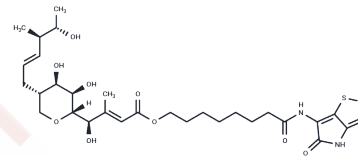


## Thiomarinol A

## Chemical Properties

CAS No. :	146697-04-3
Formula:	C <sub>30</sub> H <sub>44</sub> N <sub>2</sub> O <sub>9</sub> S <sub>2</sub>
Molecular Weight:	640.81
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	Thiomarinol A (4-Hydroxythiomarinol C), a potent antibiotic, is a hybrid compound comprising dithiolopyrrolone and marinolic acid, exhibiting antimicrobial activity. It effectively inhibits MRSA IleRS in a dose-dependent manner, with an apparent K <sub>i</sub> value of 19 nM [1].
Targets(IC50)	Others,Antibacterial,Antibiotic

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5605 mL	7.8026 mL	15.6052 mL
5 mM	0.3121 mL	1.5605 mL	3.121 mL
10 mM	0.1561 mL	0.7803 mL	1.5605 mL
50 mM	0.0312 mL	0.1561 mL	0.3121 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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