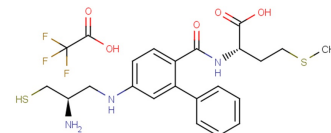


FTI 276 TFA

Chemical Properties

CAS No.:	1217471-51-6
Formula:	C ₂₃ H ₂₈ F ₃ N ₃ O ₅ S ₂
Molecular Weight:	547.61
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	FTI 276 TFA is effective against plasmodium falciparum and humans. It is a protein-based farnesyltransferase (PFT) inhibitor with an IC ₅₀ s of 0.9 nM and 0.5 nM, respectively.
Targets(IC ₅₀)	PFT, Plasmodium falciparum: 0.9 nM PFT, human: 0.5 nM

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.826 mL	9.131 mL	18.261 mL
5 mM	0.365 mL	1.826 mL	3.652 mL
10 mM	0.183 mL	0.913 mL	1.826 mL
50 mM	0.037 mL	0.183 mL	0.365 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Chakrabarti D, et al. Protein farnesyltransferase and protein prenylation in Plasmodium falciparum. J Biol Chem. 2002 Nov 1; 277(44):42066-73. Epub 2002 Aug 22.

Inhibitors · Natural Compounds · Compound Libraries

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