

Antifungal agent 46

Chemical Properties

CAS No. : 2842067-19-8
Formula: C26H28BrF3N4O2
Molecular Weight: 565.43
Appearance:
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Biological Description

Description	Compound 2f (Antifungal Agent 46) is a potent antifungal that inhibits Ras signaling by targeting protein farnesyltransferase [1].
Targets(IC50)	Ras
In vitro	Antifungal agent 46 (compound 2f) exhibits biofilm inhibitory activity at 12.5 μ M, with a minimum inhibitory concentration (MIC) twice that of Amphotericin B [1].
In vivo	Antifungal agent 46 (compound 2f, 0.78 μ M) inhibits FTase activity in living organisms [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7686 mL	8.8428 mL	17.6857 mL
5 mM	0.3537 mL	1.7686 mL	3.5371 mL
10 mM	0.1769 mL	0.8843 mL	1.7686 mL
50 mM	0.0354 mL	0.1769 mL	0.3537 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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