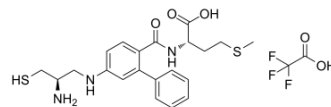


FTI 276 TFA

Cat. No.:	HY-15873A		
CAS No.:	1217471-51-6		
Molecular Formula:	C ₂₃ H ₂₈ F ₃ N ₃ O ₅ S ₂		
Molecular Weight:	547.61		
Target:	Farnesyl Transferase		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (182.61 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	1.8261 mL	9.1306 mL	18.2612 mL
				5 mM	0.3652 mL	1.8261 mL	3.6522 mL
10 mM				0.1826 mL	0.9131 mL	1.8261 mL	
Please refer to the solubility information to select the appropriate solvent.							
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (4.57 mM); Clear solution						
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (4.57 mM); Clear solution						
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (4.57 mM); Clear solution						

BIOLOGICAL ACTIVITY

Description	FTI-276 is a protein farnesyl transferase (PFT) inhibitor with IC ₅₀ s of 0.9 nM and 0.5 nM for Plasmodium falciparum and human, respectively ^[1] .
IC ₅₀ & Target	IC ₅₀ : 0.9 nM (PFT, Plasmodium falciparum), 0.5 nM (PFT, human) ^[1] .

REFERENCES

Caution: Product has not been fully validated for medical applications. For research use only.

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