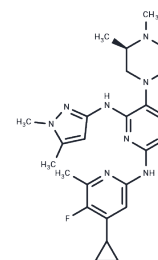


ZY-19489

## Chemical Properties

CAS No. : 1821293-40-6  
 Formula: C<sub>24</sub>H<sub>32</sub>FN<sub>9</sub>  
 Molecular Weight: 465.57  
 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	ZY-19489 is an antimalarial compound that is a potential single-dose cure for Plasmodium falciparum and Plasmodium vivax malaria. It has received orphan drug designation from the FDA.
Targets(IC50)	Parasite
In vitro	ZY-19489 showed the best potency (9nM) combined with a >1,000-fold selectivity against hERG and AChE compared.[1] 12 displayed improved bioavailability (80%) as compared with its demethylated analog, 9 owing to its improved Caco2 permeability.[1]

## Solubility Information

Solubility	DMSO: 4.66 mg/mL (10.01 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1479 mL	10.7395 mL	21.479 mL
5 mM	0.4296 mL	2.1479 mL	4.2958 mL
10 mM	0.2148 mL	1.074 mL	2.1479 mL
50 mM	0.043 mL	0.2148 mL	0.4296 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.

Reference

Hameed P S, et al. Triaminopyrimidine is a fast-killing and long-acting antimalarial clinical candidate[J]. Nature Communications, 2015, 6(1): 6715.

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