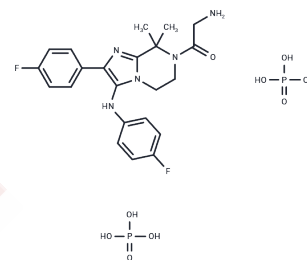


## Ganaplacide phosphate

### Chemical Properties

CAS No. :	3051901-82-4
Formula:	C22H29F2N5O9P2
Molecular Weight:	607.44
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	Ganaplacide phosphate exerts multi-stage antimalarial activity against Plasmodium symptomatic asexual blood-stage infections, and is able to prevent transmission and block infection in animal models.
Targets(IC50)	Others

### Solubility Information

Solubility	DMSO: 55.00 mg/mL (90.54 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	1.6463 mL	8.2313 mL	16.4625 mL
5 mM	0.3293 mL	1.6463 mL	3.2925 mL
10 mM	0.1646 mL	0.8231 mL	1.6463 mL
50 mM	0.0329 mL	0.1646 mL	0.3293 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

- Koller R, Mombo-Ngoma G, Grobusch MP. The early preclinical and clinical development of ganaplacide (KAF156), a novel antimalarial compound. *Expert Opin Investig Drugs*. 2018 Oct;27(10):803-810.
- LaMonte GM, et al. Pan-active imidazolo-piperazine antimalarials target the Plasmodium falciparum intracellular secretory pathway. *Nat Commun*. 2020 Apr 14;11(1):1780.

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481