

UA2239

## Chemical Properties

CAS No. : 2455422-89-4  
Formula: C<sub>9</sub>H<sub>12</sub>N<sub>5</sub>Na<sub>2</sub>O<sub>5</sub>P  
Molecular Weight: 347.18  
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	UA2239 is an antimalarial agent that falls under the category of acyclic nucleoside phosphonates. It disrupts essential cGMP-dependent exocytosis pathways by reducing cGMP levels and specifically targets guanylyl cyclase $\alpha$ (guanylyl cyclase $\alpha$ ). UA2239 exhibits a rapid and irreversible inhibitory effect on Plasmodium parasites.
Targets(IC50)	Nucleoside Antimetabolite/Analog,Parasite,Guanylate cyclase

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8804 mL	14.4018 mL	28.8035 mL
5 mM	0.5761 mL	2.8804 mL	5.7607 mL
10 mM	0.288 mL	1.4402 mL	2.8804 mL
50 mM	0.0576 mL	0.288 mL	0.5761 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.

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