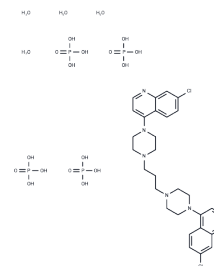


## Piperaquine

### Chemical Properties

CAS No. :	4085-31-8
Formula:	C <sub>29</sub> H <sub>32</sub> Cl <sub>2</sub> N <sub>6</sub>
Molecular Weight:	535.51
Storage:	Store at low temperature Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



### Biological Description

Description	Piperaquine is a bis-quinoline antimalarial compound, a companion compound to artemisinin. Piperaquine is a component of Eurartesim, which is commonly used in the study of malaria infections.
Targets(IC50)	Parasite
In vivo	Formulations containing piperaquine have been used in combination with artemisinin for the treatment of malaria in HIV-1-positive populations[1]

### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8674 mL	9.3369 mL	18.6738 mL
5 mM	0.3735 mL	1.8674 mL	3.7348 mL
10 mM	0.1867 mL	0.9337 mL	1.8674 mL
50 mM	0.0373 mL	0.1867 mL	0.3735 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

- Moore BR, et al. Pharmacokinetics and pharmacodynamics of piperaquine in a murine malaria model. *Antimicrob Agents Chemother.* 2008 Jan; 52(1): 306-11.
- Davis TME, et al. Piperaquine: a resurgent antimalarial drug. *Drugs.* 2005; 65(1): 75-87.

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