

## Piperaquine phosphate

## Chemical Properties

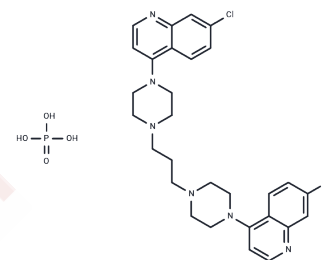
CAS No. : 85547-56-4

Formula: C<sub>29</sub>H<sub>32</sub>Cl<sub>2</sub>N<sub>6</sub> xH<sub>3</sub>O<sub>4</sub>P

Molecular Weight:

Storage: Keep away from moisture, Store at low temperature  
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   | Piperaquine phosphate is an anti-malaria compound commonly used in combination with artemisinin to inhibit Plasmodium falciparum. |
| Targets(IC50) | Parasite  |
| In vivo       | Piperaquine phosphate (10, 30, or 90 mg/kg) resulted in a decrease in parasitemia in mice at all tested doses. [1]                |

## Solubility Information

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|------------|--|
| Solubility | H <sub>2</sub> O: 5 mg/mL, Sonication is recommended.<br>(< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|--|

## Reference

Moore BR, et al. Pharmacokinetics and pharmacodynamics of piperaquine in a murine malaria model. Antimicrob Agents Chemother. 2008 Jan;52(1):306-11.

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