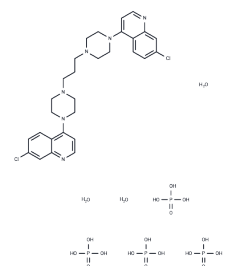


Piperaquine tetraphosphate tetrahydrate

Chemical Properties

CAS No. : 915967-82-7
 Formula: C₂₉H₃₂Cl₂N₆.4H₃O₄P.4H₂O
 Molecular Weight: 999.6
 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	Piperaquine tetraphosphate tetrahydrate is a potent anti-parasites agent.
Targets(IC50)	Parasite

Solubility Information

Solubility	DMSO: Insoluble, H ₂ O: 10 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	1.0004 mL	5.002 mL	10.004 mL
5 mM	0.2001 mL	1.0004 mL	2.0008 mL
10 mM	0.100 mL	0.5002 mL	1.0004 mL
50 mM	0.020 mL	0.100 mL	0.2001 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

Fivelman Q L , Adagu I S , Warhurst D C . Effects of Piperaquine, Chloroquine, and Amodiaquine on Drug Uptake and of These in Combination with Dihydroartemisinin against Drug-Sensitive and -Resistant Plasmodium falciparum Strains[J]. Antimicrobial Agents and Chemotherapy, 2007, 51(6):2265-2267.

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