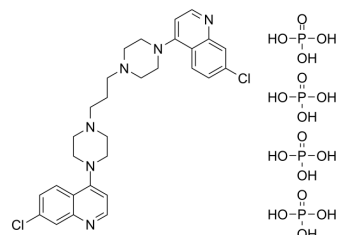


Piperaquine tetraphosphate

| | |
|---------------------------|---|
| Cat. No.: | HY-118865 |
| CAS No.: | 911061-10-4 |
| Molecular Formula: | C ₂₉ H ₄₄ Cl ₂ N ₆ O ₁₆ P ₄ |
| Molecular Weight: | 927.49 |
| Target: | Parasite |
| Pathway: | Anti-infection |
| Storage: | Please store the product under the recommended conditions in the Certificate of Analysis. |



BIOLOGICAL ACTIVITY

| | |
|--------------------|---|
| Description | Piperaquine tetraphosphate is a potent antimalaria agent. Piperaquine tetraphosphate shows inhibition for chloroquine-sensitive and the chloroquine-resistant isolates. Piperaquine tetraphosphate in combination with dihydroartemisinin has the potential for the research of chloroquine-resistant malaria ^{[1][2]} . |
| In Vitro | Piperaquine tetraphosphate shows high active against all Cameroonian isolates with IC ₅₀ of 38.9 nM, range, 7.76-78.3 nM, and shows inhibits against the chloroquine-sensitive and the chloroquine-resistant isolates ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only. |

CUSTOMER VALIDATION

- Cell Rep. 2021, 108959.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. asco LK, et al. In vitro activities of piperaquine and other 4-aminoquinolines against clinical isolates of Plasmodium falciparum in Cameroon. Antimicrob Agents Chemother. 2003 Apr;47(4):1391-4.

[2]. Salman S, et al. Pharmacokinetic comparison of two piperaquine-containing artemisinin combination therapies in Papua New Guinean children with uncomplicated malaria. Antimicrob Agents Chemother. 2012 Jun;56(6):3288-97.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA