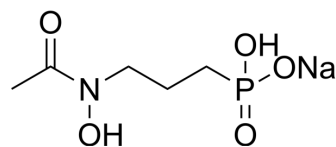


## FR900098 sodium

Cat. No.:	HY-122817
CAS No.:	73226-73-0
Molecular Formula:	C <sub>5</sub> H <sub>11</sub> NNaO <sub>5</sub> P
Molecular Weight:	219.11
Target:	Antibiotic; Parasite
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	FR900098 sodium is an antimalarial agent that inhibits 1-deoxy-d-xylulose-5-phosphate (DXP) reductoisomerase. FR900098 sodium has no significant acute toxicity or genotoxicity, and does not have the ability to cause chromosome breakage or heterogeneity. FR900098 sodium has no effect on bone marrow red blood cells in NMRI mice <sup>[1][2]</sup> .
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### REFERENCES

- [1]. Okuhara M, et al. Studies on new phosphonic acid antibiotics. I. FR-900098, isolation and characterization. J Antibiot (Tokyo). 1980 Jan;33(1):13-7.
- [2]. Wiesner J, et al. FR-900098, an antimalarial development candidate that inhibits the non-mevalonate isoprenoid biosynthesis pathway, shows no evidence of acute toxicity and genotoxicity. Virulence. 2016 Aug 17;7(6):718-28.
- [3]. Verbrugghen T, et al. Synthesis and evaluation of  $\alpha$ -halogenated analogues of 3-(acetylhydroxyamino) propylphosphonic acid (FR900098) as antimalarials[J]. Journal of medicinal chemistry, 2010, 53(14): 5342-5346.

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

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