

## Product Information

### Pyronaridine tetraphosphate, Purity ≥98%

**Cat. No.:** X24-09-YM1168

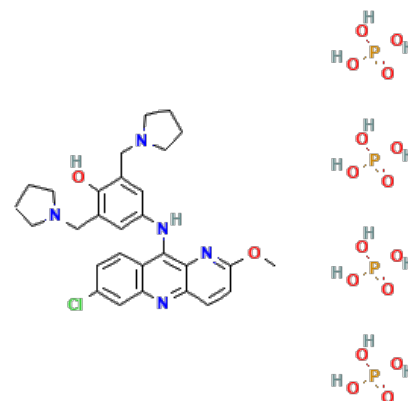
**Size:** 100 mg; 250 mg; 500 mg; 1000 mg

**MDL:** MFCD05863545

**CAS Number:** 76748-86-2

**Compound CID:** 156867

**Synonym:** 76748-86-2; Pyranoridine phosphate; Pyronaridine phosphate; 4-[(7-Chloro-2-methoxybenzo[b][1,5]naphthyridin-10-yl)amino]-2,6-bis(pyrrolidin-1-ylmethyl)phenol; phosphoric acid



**This product is for research use only and is not intended for diagnostic use.**

#### Product Information

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|--------------------------|---|
| <b>Description</b>       | Pyronaridine tetraphosphate is a common antimalarial agent. The molecular weight of the compound is 910.03, and its molecular formula is $C_{29}H_{32}ClN_5O_2 \cdot 4(H_3PO_4)$ .  |
| <b>Molecular Weight</b>  | 910.03  |
| <b>Molecular Formula</b> | $C_{29}H_{32}ClN_5O_2 \cdot 4(H_3PO_4)$   |
| <b>IUPAC Name</b>        | 4-[(7-Chloro-2-methoxybenzo[b][1,5]naphthyridin-10-yl)amino]-2,6-bis(pyrrolidin-1-ylmethyl)phenol;p hosphoric acid  |
| <b>InChI</b>             | InChI=1S/C29H32ClN5O2.4H3O4P/c1-37-26-9-8-24-28(33-26)27(23-7-6-21(30)16-25(23)32-24)31-22-14-19(17-34-10-2-3-11-34)29(36)20(15-22)18-35-12-4-5-13-35;4*1-5(2,3)4/h6-9,14-16,36H,2-5,10-13,17-18H2,1H3,(H,31,32);4*(H3,1,2,3,4) |
| <b>InChI Key</b>         | YKUQEKGXHQFYULM-UHFFFAOYSA-N  |
| <b>Canonical SMILES</b>  | <chem>COC1=NC2=C(C3=C(C=C(C=C3)Cl)N=C2C=C1)NC4=CC(=C(C(=C4)CN5CCCC5)O)CN6CCCC6.OP(=O)(O)O.OP(=O)(O)O.OP(=O)(O)O.OP(=O)(O)O</chem>   |
| <b>Form</b>              | Lyophilized powder  |
| <b>Purity</b>            | ≥98%  |
| <b>Impurities</b>        | Free from inappropriate visible particulates, foreign matter, discoloration, or other defects.  |
| <b>Identity</b>          | Confirmed by NMR/HPLC/MS.   |
| <b>Stability</b>         | In its lyophilized form, the chemical remains stable for 36 months.   |
| <b>Quality Level</b>     | Research grade  |
| <b>Applications</b>      | Pyronaridine tetraphosphate plays a key role in disrupting the parasite's metabolism and replication.   |



**Storage**

Store at -20°C, and keep desiccated.

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