

Product Information

Fosfluconazole, Purity ≥98%

Cat. No.: X24-09-YM1262

Size: 25 mg; 50 mg; 100 mg; 200 mg

CAS Number: 194798-83-9

Compound CID: 214356

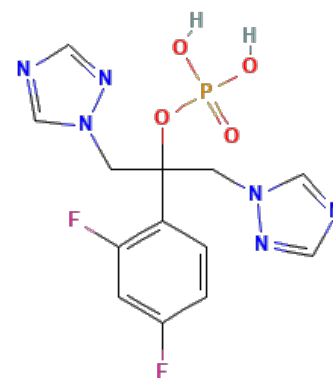
Synonym: 194798-83-9; Prodif;

[2-(2,4-Difluorophenyl)-1,3-bis(1,2,4-triazol-1-yl)propan-2-yl] dihydrogen phosphate;

Fluconazole dihydrogen phosphate;

[2-(2,4-Difluorophenyl)-1,3-bis(1,2,4-triazol-1-yl)propan-2-yl] dihydrogen phosphate

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



Product Information

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| Description | Fosfluconazole, soluble in DMSO and insoluble in water and ethanol, is a water-soluble phosphate compound. The molecular weight of the compound is 386.25, and its molecular formula is $C_{13}H_{13}F_2N_6O_4P$. |
| Molecular Weight | 386.25 |
| Molecular Formula | $C_{13}H_{13}F_2N_6O_4P$ |
| IUPAC Name | [2-(2,4-Difluorophenyl)-1,3-bis(1,2,4-triazol-1-yl)propan-2-yl] dihydrogen phosphate |
| InChI | InChI=1S/C13H13F2N6O4P/c14-10-1-2-11(12(15)3-10)13(25-26(22,23)24,4-20-8-16-6-18-20)5-21-9-17-7-19-21/h1-3,6-9H,4-5H2,(H2,22,23,24) |
| InChI Key | GHJWNRRCRIGGIO-UHFFFAOYSA-N |
| Canonical SMILES | <chem>C1=CC(=C(C=C1F)F)C(CN2C=NC=N2)(CN3C=NC=N3)OP(=O)(O)O</chem> |
| Form | Lyophilized powder |
| Purity | ≥98% |
| Impurities | Free from inappropriate visible particulates, foreign matter, discoloration, or other defects. |
| Solubility | <i>In vitro</i> : DMSO: 17 mg/mL (44.01 mM); Water: insoluble; Ethanol: insoluble |
| Identity | Confirmed by NMR/HPLC/MS. |
| Stability | In its lyophilized form, the chemical remains stable for 36 months. |
| Quality Level | Research grade |
| Applications | Fosfluconazole can be studied extensively for its potential therapeutic applications in the treatment of systemic fungal infections. |



Storage

Store at -20°C, and keep desiccated.
