

Product Information

Metabolism inhibitor, Cytochrome P450 14a-demethylase inhibitor 1m, Purity $\geq 98\%$

Cat. No.: X24-08-YM372

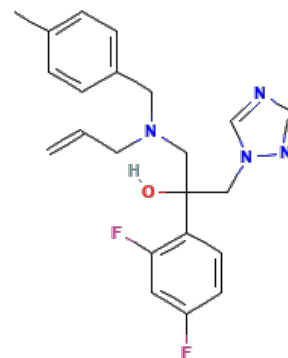
Size: 5 mg; 10 mg; 50 mg; 100 mg

CAS Number: 1155361-11-7

Compound CID: 42631480

Synonym: 1155361-11-7; 2-(2,4-Difluorophenyl)-1-[(4-ethylphenyl)methyl-prop-2-enylamino]-3-(1,2,4-triazol-1-yl)propan-2-ol

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



Product Information

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|--------------------------|---|
| Description | Cytochrome P450 14a-demethylase inhibitor 1m is an effective cell metabolism inhibitor, that has the ability to prevent the pathway of metabolism by inhibiting cytochrome P450. |
| Molecular Weight | 412.5 |
| Molecular Formula | C ₂₃ H ₂₆ F ₂ N ₄ O |
| IUPAC Name | 2-(2,4-Difluorophenyl)-1-[(4-ethylphenyl)methyl-prop-2-enylamino]-3-(1,2,4-triazol-1-yl)propan-2-ol |
| InChI | InChI=1S/C23H26F2N4O/c1-3-11-28(13-19-7-5-18(4-2)6-8-19)14-23(30,15-29-17-26-16-27-29)21-10-9-20(24)12-22(21)25/h3,5-10,12,16-17,30H,1,4,11,13-15H2,2H3 |
| InChI Key | BOFQWVMAQOTZIW-UHFFFAOYSA-N |
| Canonical SMILES | C1=CC=C(C(=C1)C2=NN(C(=N2)C3=CC=CC=C3O)C4=CC=C(C(=C4)C(=O)O)O |
| Form | Lyophilized powder |
| Purity | $\geq 98\%$ |
| Titer | Free from inappropriate visible particulates, foreign matter, discoloration, or other defects |
| Stability | In its lyophilized form, the chemical remains stable for 36 months. |
| Quality Level | Research grade |
| Applications | Cytochrome P450 14a-demethylase inhibitor 1m is a metabolism inhibitor that can be studied extensively for its potential therapeutic applications in the treatment of fungal diseases by selectively targeting the CYP51 enzyme in fungi. |
| Storage | Store at -20°C, and keep desiccated. |