

Product Information

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

Cat. No.: X24-08-YM363

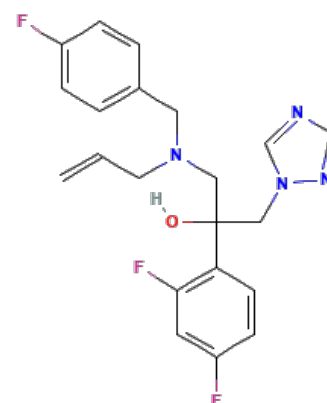
Size: 5 mg; 10 mg; 50 mg; 100 mg

CAS Number: 1155361-02-6

Compound CID: 42631261

Synonym: 1155361-02-6; 2-(2,4-Difluorophenyl)-1-[(4-fluorophenyl)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

Description	Cytochrome P450 14a-demethylase inhibitor 1d is an effective cell metabolism inhibitor, that has the ability to prevent the pathway of metabolism by inhibiting cytochrome P450.
Molecular Weight	402.4
Molecular Formula	C ₂₁ H ₂₁ F ₃ N ₄ O
IUPAC Name	2-(2,4-Difluorophenyl)-1-[(4-fluorophenyl)methyl-prop-2-enylamino]-3-(1,2,4-triazol-1-yl)propan-2-ol
InChI	InChI=1S/C21H21F3N4O/c1-2-9-27(11-16-3-5-17(22)6-4-16)12-21(29,13-28-15-25-14-26-28)19-8-7-18(23)10-20(19)24/h2-8,10,14-15,29H,1,9,11-13H2
InChI Key	SRFCBPLRMAQNKU-UHFFFAOYSA-N
Canonical SMILES	C=CCN(CC1=CC(=CC=C1)Cl)CC(CN2C=NC=N2)(C3=C(C=C(C=C3)F)F)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 1d is a metabolism inhibitor that plays a key role in the development of antifungal agents by targeting the CYP51 enzyme, which is crucial for the synthesis of ergosterol in fungi.
Storage	Store at -20°C, and keep desiccated.