

Product Information

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

Cat. No.: X24-08-YM370

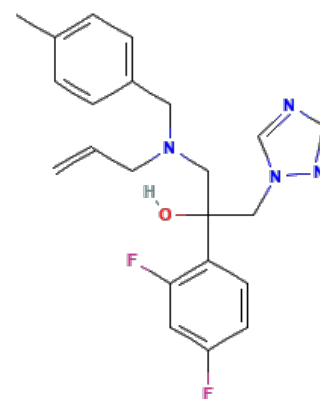
Size: 5 mg; 10 mg; 50 mg; 100 mg

CAS Number: 1155361-09-3

Compound CID: 42631375

Synonym: 1155361-09-3; 2-(2,4-Difluorophenyl)-1-[(4-methylphenyl)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 1k is an effective cell metabolism inhibitor, that has the ability to prevent the pathway of metabolism by inhibiting cytochrome P450.
Molecular Weight	398.4
Molecular Formula	C ₂₂ H ₂₄ F ₂ N ₄ O
IUPAC Name	2-(2,4-Difluorophenyl)-1-[(4-methylphenyl)methyl-prop-2-enylamino]-3-(1,2,4-triazol-1-yl)propan-2-ol
InChI	InChI=1S/C22H24F2N4O/c1-3-10-27(12-18-6-4-17(2)5-7-18)13-22(29,14-28-16-25-15-26-28)20-9-8-19(23)11-21(20)24/h3-9,11,15-16,29H,1,10,12-14H2,2H3
InChI Key	UNNCVAALWVYWBN-UHFFFAOYSA-N
Canonical SMILES	CCC1=CC=C(C=C1)CN(CC=C)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 1k is a metabolism inhibitor that can be used for its ability to explore different chemical structures and their impact on CYP51 inhibition to optimize antifungal drug candidates.
Storage	Store at -20°C, and keep desiccated.