

Product Information

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

Cat. No.: X24-08-YM366

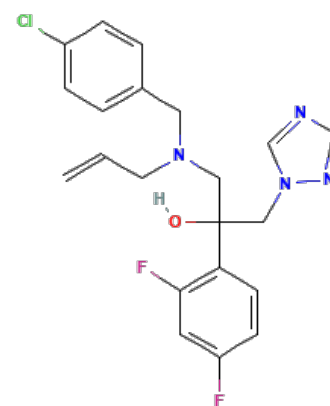
Size: 5 mg; 10 mg; 50 mg; 100 mg

CAS Number: 1155361-05-9

Compound CID: 42631371

Synonym: 1155361-05-9; 1-[(4-Chlorophenyl)methyl-prop-2-enylamino]-2-(2,4-difluorophenyl)-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 1g is an effective cell metabolism inhibitor, that has the ability to prevent the pathway of metabolism by inhibiting cytochrome P450.
Molecular Weight	418.9
Molecular Formula	C ₂₁ H ₂₁ ClF ₂ N ₄ O
IUPAC Name	1-[(4-Chlorophenyl)methyl-prop-2-enylamino]-2-(2,4-difluorophenyl)-3-(1,2,4-triazol-1-yl)propan-2-ol
InChI	InChI=1S/C21H21ClF2N4O/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	JBOSAXVFTHRCCQ-UHFFFAOYSA-N
Canonical SMILES	C=CCN(CC1=CC=C(C=C1)Br)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 1g is a metabolism inhibitor that can be used for its ability to study the inhibition of CYP51 in both pathogenic fungi and mammalian systems to understand potential off-target effects.
Storage	Store at -20°C, and keep desiccated.