

## Product Information

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

**Cat. No.:** X24-08-YM367

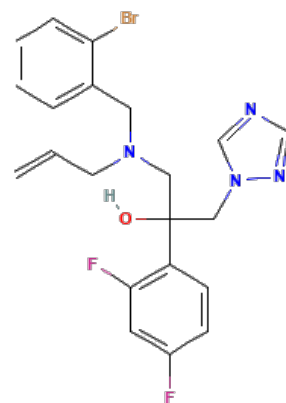
**Size:** 5 mg; 10 mg; 50 mg; 100 mg

**CAS Number:** 1155361-06-0

**Compound CID:** 42631372

**Synonym:** 1155361-06-0; 1-[(2-Bromophenyl)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

<b>Description</b>	Cytochrome P450 14a-demethylase inhibitor 1h is an effective cell metabolism inhibitor, that has the ability to prevent the pathway of metabolism by inhibiting cytochrome P450.
<b>Molecular Weight</b>	463.3
<b>Molecular Formula</b>	C <sub>21</sub> H <sub>21</sub> ClF <sub>2</sub> N <sub>4</sub> O
<b>IUPAC Name</b>	1-[(2-Bromophenyl)methyl-prop-2-enylamino]-2-(2,4-difluorophenyl)-3-(1,2,4-triazol-1-yl)propan-2-ol
<b>InChI</b>	InChI=1S/C21H21BrF2N4O/c1-2-9-27(11-16-5-3-4-6-19(16)22)12-21(29,13-28-15-25-14-26-28)18-8-7-17(23)10-20(18)24/h2-8,10,14-15,29H,1,9,11-13H2
<b>InChI Key</b>	IFHXLUHDEQRUES-UHFFFAOYSA-N
<b>Canonical SMILES</b>	CC1=CC=CC=C1CN(CC=C)CC(CN2C=NC=N2)(C3=C(C=C(C=C3)F)F)O
<b>Form</b>	Lyophilized powder
<b>Purity</b>	$\geq 98\%$
<b>Titer</b>	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects
<b>Stability</b>	In its lyophilized form, the chemical remains stable for 36 months.
<b>Quality Level</b>	Research grade
<b>Applications</b>	Cytochrome P450 14a-demethylase inhibitor 1h is a metabolism inhibitor that plays a key role in drug discovery efforts to identify and optimize compounds that selectively inhibit fungal CYP51 without affecting human CYP51.
<b>Storage</b>	Store at -20°C, and keep desiccated.