

## Product Information

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

**Cat. No.:** X24-08-YM369

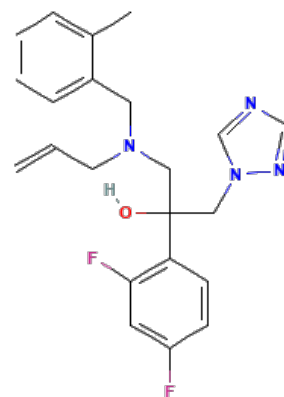
**Size:** 5 mg; 10 mg; 50 mg; 100 mg

**CAS Number:** 1155361-08-2

**Compound CID:** 42631374

**Synonym:** 1155361-08-2; 2-(2,4-Difluorophenyl)-1-[(2-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

<b>Description</b>	Cytochrome P450 14a-demethylase inhibitor 1j is an effective cell metabolism inhibitor, that has the ability to prevent the pathway of metabolism by inhibiting cytochrome P450.
<b>Molecular Weight</b>	398.4
<b>Molecular Formula</b>	C <sub>22</sub> H <sub>24</sub> F <sub>2</sub> N <sub>4</sub> O
<b>IUPAC Name</b>	2-(2,4-Difluorophenyl)-1-[(2-methylphenyl)methyl-prop-2-enylamino]-3-(1,2,4-triazol-1-yl)propan-2-ol
<b>InChI</b>	InChI=1S/C22H24F2N4O/c1-3-10-27(12-18-7-5-4-6-17(18)2)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
<b>InChI Key</b>	FZMWGFNRTRITGY-UHFFFAOYSA-N
<b>Canonical SMILES</b>	C=CCN(CC1=CC=C(C=C1)[N+](=O)[O-])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 1j is a metabolism inhibitor that can be used for its efficacy and safety profile in disrupting fungal sterol biosynthesis.
<b>Storage</b>	Store at -20°C, and keep desiccated.