

## Product Information

### Cytochrome P450 inhibitor, Voriconazole, Purity $\geq 98\%$

**Cat. No.:** X24-08-YM382

**Size:** 10 mg; 25 mg; 50 mg; 100 mg

**MDL:** MFCD00905717

**CAS Number:** 137234-62-9

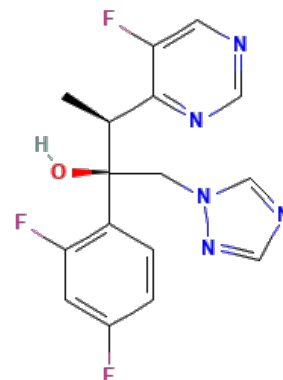
**Compound CID:** 71616

**Synonym:** 137234-62-9; Vfend; Pfizer; Vfend;

(2R,3S

)-2-(2,4-Difluorophenyl)-3-(5-fluoropyrimidin-4-yl)-1-(1,2,4-triazol-1-yl)butan-2-ol

**This product is for research use only and is not intended for diagnostic use.**



#### Product Information

<b>Description</b>	Voriconazole, soluble in DMSO and ethanol and insoluble in water, is an effective cell metabolism inhibitor, that has the ability to prevent the pathway of metabolism by inhibiting cytochrome P450.
<b>Molecular Weight</b>	349.3
<b>Molecular Formula</b>	C <sub>16</sub> H <sub>14</sub> F <sub>3</sub> N <sub>5</sub> O
<b>IUPAC Name</b>	(2R,3S)-2-(2,4-Difluorophenyl)-3-(5-fluoropyrimidin-4-yl)-1-(1,2,4-triazol-1-yl)butan-2-ol
<b>InChI</b>	InChI=1S/C16H14F3N5O/c1-10(15-14(19)5-20-7-22-15)16(25,6-24-9-21-8-23-24)12-3-2-11(17)4-13(12)18/h2-5,7-10,25H,6H2,1H3/t10-,16+/m0/s1
<b>InChI Key</b>	UVIQSJCZCSLXRZ-UBUQANBQSA-N
<b>Canonical SMILES</b>	CC(=O)OC1CCC2(C3CCC4(C(C3CC=C2C1)CC=C4C5=CN=CC=C5)C)C
<b>Isomeric SMILES</b>	CC(=O)O[C@H]1CC[C@@]2([C@H]3CC[C@]4([C@H]([C@@H]3CC=C2C1)CC=C4C5=CN=CC=C5)C)C
<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>Solubility</b>	<i>In vitro</i> : DMSO: 65 mg/mL (186.08 mM); Water: insoluble; Ethanol: 19 mg/mL (54.39 mM); <i>In vivo</i> : 2% DMSO + 30% PEG 300 + 2% Tween 80 + ddH <sub>2</sub> O, 7 mg/mL
<b>Stability</b>	In its lyophilized form, the chemical remains stable for 36 months.
<b>Quality Level</b>	Research grade
<b>Applications</b>	Voriconazole is a metabolism inhibitor that can be studied extensively for its potential therapeutic



applications in the treatment of invasive aspergillosis, candidemia, and other systemic fungal infections.

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**Storage**

Store at -20°C, and keep desiccated.

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