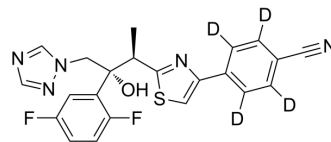


## Isavuconazole-d<sub>4</sub>

<b>Cat. No.:</b>	HY-14273S	
<b>CAS No.:</b>	1346598-58-0	
<b>Molecular Formula:</b>	C <sub>22</sub> H <sub>13</sub> D <sub>4</sub> F <sub>2</sub> N <sub>5</sub> OS	
<b>Molecular Weight:</b>	441.49	
<b>Target:</b>	Fungal; Cytochrome P450	
<b>Pathway:</b>	Anti-infection; Metabolic Enzyme/Protease	
<b>Storage:</b>	Powder	-20°C 3 years 4°C 2 years
	In solvent	-80°C 6 months -20°C 1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 100 mg/mL (226.51 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.2651 mL	11.3253 mL	22.6506 mL
	5 mM	0.4530 mL	2.2651 mL	4.5301 mL
	10 mM	0.2265 mL	1.1325 mL	2.2651 mL

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

Isavuconazole-d<sub>4</sub> is a deuterium labeled Isavuconazole (BAL-4815). Isavuconazole is a triazole proagent with antifungal activity against yeasts, molds, and dimorphic fungi[1].

### REFERENCES

[1]. Livermore J, et al. Evaluation of the pharmacokinetics and clinical utility of isavuconazole for treatment of invasive fungal infections. *Expert Opin Drug Metab Toxicol.* 2012 Jun;8(6):759-65.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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