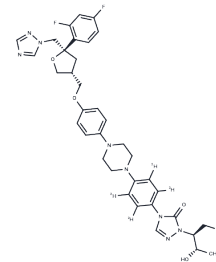


## Posaconazole-D4

## Chemical Properties

CAS No. :	1133712-26-1
Formula:	C37H42F2N8O4
Molecular Weight:	704.8
Storage:	Store at low temperature Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	Posaconazole-D4 is a deuterium-labeled analog of posaconazole for isotope tracing. Posaconazole (T6211) (POS) is an inhibitor of C14 $\alpha$ -demethylase with antifungal activity.
Targets(IC50)	Antifungal

## Solubility Information

Solubility	DMSO: 40 mg/mL (56.75 mM), Sonication is recommended. ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
------------	---

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.4188 mL	7.0942 mL	14.1884 mL
5 mM	0.2838 mL	1.4188 mL	2.8377 mL
10 mM	0.1419 mL	0.7094 mL	1.4188 mL
50 mM	0.0284 mL	0.1419 mL	0.2838 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

Herbrecht R, et al. Management of systemic fungal infections: alternatives to itraconazole. J Antimicrob Chemother. 2005 Sep;56 Suppl 1:i39-i48.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481