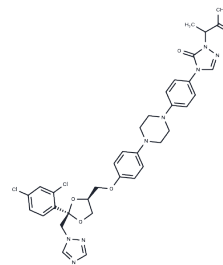


## Keto-itraconazole

## Chemical Properties

CAS No. :	112560-33-5
Formula:	C <sub>35</sub> H <sub>36</sub> Cl <sub>2</sub> N <sub>8</sub> O <sub>5</sub>
Molecular Weight:	719.62
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Keto-itraconazole is a metabolite of Itraconazole.
Targets(IC50)	Others,Cytochromes P450

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3896 mL	6.9481 mL	13.8962 mL
5 mM	0.2779 mL	1.3896 mL	2.7792 mL
10 mM	0.139 mL	0.6948 mL	1.3896 mL
50 mM	0.0278 mL	0.139 mL	0.2779 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

Liang X, Van Parys M, Ding X, Zeng N, Bi L, Dorshort D, McKnight J, Milanowski D, Mao J, Chen Y, Ware JA, Dean B, Hop CE, Deng Y. Simultaneous determination of itraconazole, hydroxy itraconazole, keto itraconazole and N-desalkyl itraconazole concentration in human plasma using liquid chromatography with tandem mass spectrometry. *J Chromatogr B Analyt Technol Biomed Life Sci.* 2016 May 1;1020:111-9. doi: 10.1016/j.jchromb.2016.03.039. Epub 2016 Mar 26. PubMed PMID: 27038403.

Liang X, Van Parys M, Ding X, Zeng N, Bi L, Dorshorst D, McKnight J, Milanowski D, Mao J, Chen Y, Ware JA, Dean B, Hop CECA, Deng Y. Corrigendum to "Simultaneous determination of itraconazole, hydroxy itraconazole, keto itraconazole and N-desalkyl itraconazole concentration in human plasma using liquid chromatography with tandem mass spectrometry" [*J. Chromatogr. B* 1020 (2016) 111-119]. *J Chromatogr B Analyt Technol Biomed Life Sci.* 2016 Sep 1;1029-1030:239. doi: 10.1016/j.jchromb.2016.06.023. Epub 2016 Jul 16. PubMed PMID: 27475407.

Mino Y, Naito T, Watanabe T, Yamada T, Yagi T, Yamada H, Kawakami J. Hydroxy-itraconazole pharmacokinetics is similar to that of itraconazole in immunocompromised patients receiving oral solution of itraconazole. *Clin Chim Acta.* 2013 Jan 16;415:128-32. doi: 10.1016/j.cca.2012.10.028. Epub 2012 Oct 23. PubMed PMID: 23089073.

Mino Y. [Optimization of Immunosuppression and the Prevention of Fungal Infection in Autoimmune Diseases]. *Yakugaku Zasshi.* 2015;135(10):1123-7. doi: 10.1248/yakushi.15-00193. Review. Japanese. PubMed PMID: 26423867.

**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