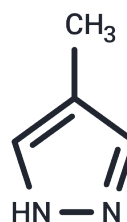


Fomepizole

Chemical Properties

CAS No. :	7554-65-6
Formula:	C ₄ H ₆ N ₂
Molecular Weight:	82.1
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Fomepizole (4-Methylpyrazole) is used as an antidote in confirmed or suspected methanol or ethylene glycol poisoning. Fomepizole(4-Methylpyrazole) is a competitive inhibitor of alcohol dehydrogenase, the enzyme that catalyzes the initial steps in the metabolism of ethylene glycol and methanol to their toxic metabolites.
Targets(IC50)	P450,CAT,AChR

Solubility Information

Solubility	H2O: 100 mg/mL (1218.03 mM),Sonication is recommended. DMSO: 60 mg/mL (730.82 mM), (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	12.1803 mL	60.9013 mL	121.8027 mL
5 mM	2.4361 mL	12.1803 mL	24.3605 mL
10 mM	1.218 mL	6.0901 mL	12.1803 mL
50 mM	0.2436 mL	1.218 mL	2.4361 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.

Reference

Nagata H, et al. Am J Physiol. 1996 Dec;271(6 Pt 1):G1028-33.

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:36 Washington Street,Wellesley Hills,MA 02481