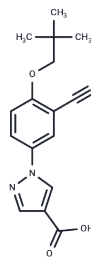


Niraxostat

Chemical Properties

CAS No. :	206884-98-2
Formula:	C ₁₆ H ₁₇ N ₃ O ₃
Molecular Weight:	299.32
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	Niraxostat (Y-700) is one of the isocytosine derivatives as xanthine oxidase inhibitors.
Targets(IC50)	Xanthine Oxidase

Solubility Information

Solubility	DMSO: 50 mg/mL (167.05 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3409 mL	16.7045 mL	33.4091 mL
5 mM	0.6682 mL	3.3409 mL	6.6818 mL
10 mM	0.3341 mL	1.6705 mL	3.3409 mL
50 mM	0.0668 mL	0.3341 mL	0.6682 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

B-Rao C, et al. Identification of novel isocytosine derivatives as xanthine oxidase inhibitors from a set of virtual screening hits. *Bioorganic & Medicinal Chemistry*, 2012, 20(9):2930-2939.

Atsushi Fukunari, et al. Y-700 [1-[3-Cyano-4-(2,2-dimethylpropoxy)phenyl]-1H-pyrazole-4-carboxylic acid]: a potent xanthine oxidoreductase inhibitor with hepatic excretion *J Pharmacol Exp Ther* . 2004 Nov;311(2):519-28. doi: 10.1124/jpet.104.070433. Epub 2004 Jun 9.

Takao Hashimoto, et al. Y-700, a novel inhibitor of xanthine oxidase, suppresses the development of colon aberrant crypt foci and cell proliferation in 1,2-dimethylhydrazine-treated mice *Biosci Biotechnol Biochem* . 2005 Jan;69(1):209-11

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