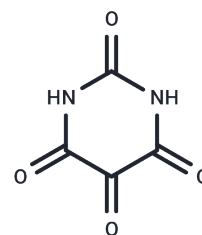


Alloxan

Chemical Properties

CAS No. :	50-71-5
Formula:	C ₄ H ₂ N ₂ O ₄
Molecular Weight:	142.0697
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	Alloxan is an acidic compound formed by the oxidation of URIC ACID.
-------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	7.0388 mL	35.1939 mL	70.3878 mL
5 mM	1.4078 mL	7.0388 mL	14.0776 mL
10 mM	0.7039 mL	3.5194 mL	7.0388 mL
50 mM	0.1408 mL	0.7039 mL	1.4078 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

- Lin H, Zheng M, Mao X, Feng X, Li J, Rao G, Lin F. Oxytocin treatment prevents marrow adiposity observed in alloxan-induced diabetic rabbits using proton MR spectroscopy. *Endokrynol Pol.* 2018 Jun 28. doi: 10.5603/EP.a2018.0040. [Epub ahead of print] PubMed PMID: 29952410.
- Kato Y, Masago Y, Kondo C, Yogo E, Torii M, Hishikawa A, Izawa T, Kuwamura M, Yamate J. Comparison of Acute Gene Expression Profiles of Islet Cells Obtained via Laser Capture Microdissection between Alloxan- and Streptozotocin-treated Rats. *Toxicol Pathol.* 2018 Jan 1:192623318783957. doi: 10.1177/0192623318783957. [Epub ahead of print] PubMed PMID: 29929439.
- Yan YQ, Dai GH, Jiang SP, Lu Y, Tong YP, Wang P. [Effect of two kinds of fermented food on blood glucose and lipids in induced diabetic mice]. *Zhongguo Ying Yong Sheng Li Xue Za Zhi.* 2018 Feb 8;34(2):130-133. doi: 10.12047/j.cjap.5547.2018.032. Chinese. PubMed PMID: 29926676.
- Cardoso SH, de Oliveira CR, Guimarães AS, Nascimento J, de Oliveira Dos Santos Carmo J, de Souza Ferro JN, de Carvalho Correia AC, Barreto E. Synthesis of newly functionalized 1,4-naphthoquinone derivatives and their effects on wound healing in alloxan-induced diabetic mice. *Chem Biol Interact.* 2018 Jun 11;291:55-64. doi: 10.1016/j.cbi.2018.06.007. [Epub ahead of print] PubMed PMID: 29902415.

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