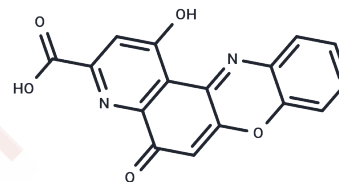


## Pirenoxine

## Chemical Properties

CAS No. :	1043-21-6
Formula:	C <sub>16</sub> H <sub>8</sub> N <sub>2</sub> O <sub>5</sub>
Molecular Weight:	308.25
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	Pirenoxine is an agent with anti-cataractogenesis activity by interacting with calcium ions or selenite which could lead to the formation of lens cataract.
Targets(IC50)	Others,ROS

## Solubility Information

Solubility	DMSO: Soluble, ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2441 mL	16.2206 mL	32.4412 mL
5 mM	0.6488 mL	3.2441 mL	6.4882 mL
10 mM	0.3244 mL	1.6221 mL	3.2441 mL
50 mM	0.0649 mL	0.3244 mL	0.6488 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

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- Ueno A, Yamaoka S, Ito Y, Kotake T, Nakazawa Y, Nagai N. Improvement of Dissolution Rate and Stability in a Pirenoxine Ophthalmic Suspension by the Bead Mill Methods. *Yakugaku Zasshi.* 2017;137(5):635-641. doi: 10.1248/yakushi.16-00267. Japanese. PubMed PMID: 28458295.
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