

## Danthron

## Chemical Properties

CAS No. : 117-10-2

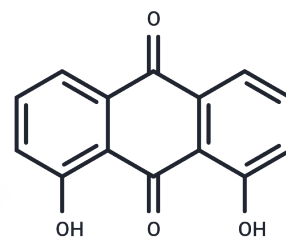
Formula: C<sub>14</sub>H<sub>8</sub>O<sub>4</sub>

Molecular Weight: 240.21

Keep away from moisture

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	Danthron (Antrapurol) is a natural product, regulates glucose, and lipid metabolism by activating AMPK.
Targets(IC50)	Antibacterial,AMPK,Autophagy,Virus Protease

## Solubility Information

Solubility	Ethanol: < 1 mg/mL (insoluble or slightly soluble), H <sub>2</sub> O: < 1 mg/mL (insoluble or slightly soluble), DMSO: 4 mg/mL (16.65 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.163 mL	20.8151 mL	41.6302 mL
5 mM	0.8326 mL	4.163 mL	8.326 mL
10 mM	0.4163 mL	2.0815 mL	4.163 mL
50 mM	0.0833 mL	0.4163 mL	0.8326 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

Zhou R, et al. Acta Pharmacol Sin. 2013 Aug; 34(8):1061-9.

Dai Z, Hu T, Wei J, et al. Network-Based Identification and Mechanism Exploration of Active Ingredients Against Alzheimer's Disease via Targeting Endoplasmic Reticulum Stress from Traditional Chinese Medicine. Computational and Structural Biotechnology Journal. 2023

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Tel: 781-999-4286 E\_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481