

(±)-Silybin**Chemical Properties**

CAS No. : 36804-17-8

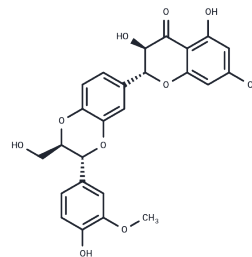
Formula: C₂₅H₂₂O₁₀

Molecular Weight: 482.44

Storage: Keep away from direct sunlight, Keep away from moisture

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	(±)-Silybin is the racemate of Silybin and has antioxidant properties, with an IC ₂₅ value of 61.4 μM in the DPPH experiment.
Targets(IC ₅₀)	Antioxidant

Solubility Information

Solubility	DMSO: 40 mg/mL (82.91 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	2.0728 mL	10.364 mL	20.728 mL
5 mM	0.4146 mL	2.0728 mL	4.1456 mL
10 mM	0.2073 mL	1.0364 mL	2.0728 mL
50 mM	0.0415 mL	0.2073 mL	0.4146 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

Khlebnikov AI, et al. Improved quantitative structure-activity relationship models to predict antioxidant activity of flavonoids in chemical, enzymatic, and cellular systems. *Bioorg Med Chem.* 2007;15(4):1749-1770.

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