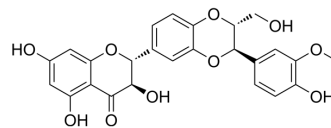


(±)-Silybin

Cat. No.:	HY-139637
CAS No.:	36804-17-8
Molecular Formula:	C ₂₅ H ₂₂ O ₁₀
Molecular Weight:	482.44
Target:	Others
Pathway:	Others
Storage:	4°C, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 50 mg/mL (103.64 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	2.0728 mL	10.3640 mL	20.7280 mL
	5 mM	0.4146 mL	2.0728 mL	4.1456 mL
	10 mM	0.2073 mL	1.0364 mL	2.0728 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

(±)-Silybin is the racemate of Silybin (HY-N0779A). Silybin induces apoptosis and exhibits hepatoprotective, antioxidant, anti-inflammatory, anti-cancer activity^{[1][2]}.

REFERENCES

[1]. Silvia Zappavigna, et al. Silybin-Induced Apoptosis Occurs in Parallel to the Increase of Ceramides Synthesis and miRNAs Secretion in Human Hepatocarcinoma Cells. *Int J Mol Sci.* 2019 May 3;20(9):2190.

[2]. Runbin Sun, et al. Silybin ameliorates hepatic lipid accumulation and modulates global metabolism in an NAFLD mouse model. *Biomed Pharmacother.* 2020 Mar;123:109721.

Caution: Product has not been fully validated for medical applications. For research use only.

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