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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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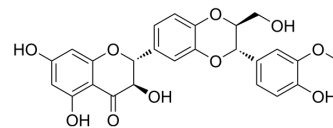
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Silybin B

Cat. No.:	HY-N7046		
CAS No.:	142797-34-0		
Molecular Formula:	C ₂₅ H ₂₂ O ₁₀		
Molecular Weight:	482.44		
Target:	Amyloid-β		
Pathway:	Neuronal Signaling		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 250 mg/mL (518.20 mM; Need ultrasonic)					
		Solvent Concentration	Mass	1 mg	5 mg	10 mg
	Preparing Stock Solutions	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.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.08 mg/mL (4.31 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (4.31 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (4.31 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	Silybin B, a flavonolignan separated from <i>Silybum marianum</i> , has anti-tumor activity. Silybin B is the most potent antifibrillogenic and anti-oligomeric component of silymarin and proposes it as a promising anti Alzheimer's disease agent candidate ^{[1][2]} .
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REFERENCES

[1]. An-Shen Lin, et al. Cancer Preventive Agents. 7. Antitumor-Promoting Effects of Seven Active Flavonolignans from Milk Thistle (*Silybum marianum*.) on Epstein-Barr Virus Activation, *Pharmaceutical Biology*, 45:10, 735-738.

[2]. Sciacca MFM, et al. Inhibition of A β Amyloid Growth and Toxicity by Silybins: The Crucial Role of Stereochemistry. *ACS Chem Neurosci*. 2017 Aug 16;8(8):1767-1778.

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

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