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Produktinformation

- Forschungsprodukte & Biochemikalien
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- Diagnostik & molekulare Diagnostik
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Weitere Information auf den folgenden Seiten!
See the following pages for more information!

Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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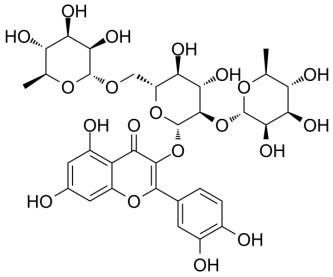
Manghaslin

Cat. No.:	HY-N7993
CAS No.:	55696-57-6
Molecular Formula:	$C_{33}H_{40}O_{20}$
Molecular Weight:	756.66
Target:	Cholinesterase (ChE)
Pathway:	Neuronal Signaling
Storage:	Powder -20°C 3 years In solvent -80°C 6 months -20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 50 mg/mL (66.08 mM; Need ultrasonic)

Preparing Stock Solutions	Mass / Solvent / Concentration	1 mg	5 mg	10 mg
	1 mM	1.3216 mL	6.6080 mL	13.2160 mL
	5 mM	0.2643 mL	1.3216 mL	2.6432 mL
	10 mM	0.1322 mL	0.6608 mL	1.3216 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: ≥ 1.25 mg/mL (1.65 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 1.25 mg/mL (1.65 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Manghaslin is a flavonoid glycoside with anti-inflammatory activities. Manghaslin shows inhibitory activity against AChE with an IC_{50} of 94.92 μM[1][2].

In Vitro

Manghaslin reduces the release of NO in LPS-stimulated macrophages. Manghaslin also decreases the levels of TNF-α and Neopterin[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Hasan Kırmızıbekmez, et al. Phenolic compounds from the aerial parts of Clematis viticella L. and their in vitro anti-inflammatory activities. Nat Prod Res. 2019 Sep;33(17):2541-2544.

[2]. Daniil N Olennikov, et al. Isorhamnetin and Quercetin Derivatives as Anti-Acetylcholinesterase Principles of Marigold (Calendula officinalis) Flowers and Preparations. Int J Mol Sci. 2017 Aug 2;18(8):1685.

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