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Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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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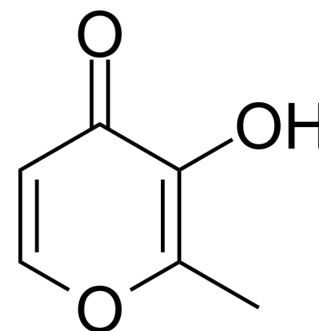
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Maltol

Cat. No.:	HY-W012788	
CAS No.:	118-71-8	
Molecular Formula:	C ₆ H ₆ O ₃	
Molecular Weight:	126.11	
Target:	Endogenous Metabolite	
Pathway:	Metabolic Enzyme/Protease	
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 : 100 mg/mL (792.96 mM; Need ultrasonic)
 H₂O : 1.82 mg/mL (14.43 mM; ultrasonic and warming and heat to 60°C)

	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	7.9296 mL	39.6479 mL	79.2959 mL
	5 mM	1.5859 mL	7.9296 mL	15.8592 mL
	10 mM	0.7930 mL	3.9648 mL	7.9296 mL

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

In Vivo

- Add each solvent one by one: PBS
Solubility: 3.33 mg/mL (26.41 mM); Clear solution; Need ultrasonic and warming and heat to 60°C
- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.5 mg/mL (19.82 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (19.82 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (19.82 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Maltol, a type of aromatic compound, exists in high concentrations in red ginseng. Maltol is a potent antioxidative agent and typically is used to enhance flavor and preserve food^[1].

IC₅₀ & Target

Human Endogenous Metabolite

CUSTOMER VALIDATION

- Inflammopharmacology. 2022 Nov 19.
- Oxid Med Cell Longev. 01 Feb 2022.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Guo N, et al. Maltol, a food flavor enhancer, attenuates diabetic peripheral neuropathy in streptozotocin-induced diabetic rats. Food Funct. 2018 Dec 13;9(12):6287-6297.

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

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