



SZABO SCANDIC

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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



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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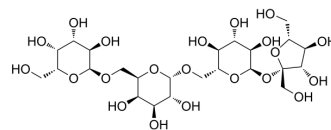
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Stachyose

Cat. No.:	HY-N7910
CAS No.:	470-55-3
Molecular Formula:	C ₂₄ H ₄₂ O ₂₁
Molecular Weight:	666.58
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

H₂O : 250 mg/mL (375.05 mM; Need ultrasonic)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	1.5002 mL	7.5010 mL	15.0019 mL
	5 mM	0.3000 mL	1.5002 mL	3.0004 mL
	10 mM	0.1500 mL	0.7501 mL	1.5002 mL

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

BIOLOGICAL ACTIVITY

Description

Stachyose, a kind of oligosaccharides, act as a hypoglycemic agent^[1].

IC₅₀ & Target

Human Endogenous Metabolite

In Vivo

Stachyose (oral gavage; 200 mg/kg; 17 days) combines with Berberine (100 mg/kg) produces better hypoglycemic effects than berberine alone. stachyose alone does not decrease the glycaemia of diabetic db/db mice. Additionally, the expression of mucin α 2 is decreased in the Sta + BBR and Sta groups, with a decrease of 2.4% and 2.1%, respectively; and no change is found in the BBR group^[1].

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

REFERENCES

[1]. Cai-Na Li, et al. Berberine combined with stachyose induces better glycometabolism than berberine alone through modulating gut microbiota and fecal metabolomics in diabetic mice. *Phytother Res.* 2020 May;34(5):1166-1174.

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

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