



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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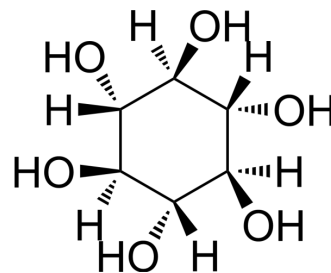
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Scyllo-Inositol

Cat. No.:	HY-W010041
CAS No.:	488-59-5
Molecular Formula:	C ₆ H ₁₂ O ₆
Molecular Weight:	180.16
Target:	Amyloid-β; Endogenous Metabolite
Pathway:	Neuronal Signaling; Metabolic Enzyme/Protease
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	H ₂ O : 5 mg/mL (27.75 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM	5.5506 mL	27.7531 mL	55.5062 mL	
		5 mM	1.1101 mL	5.5506 mL	11.1012 mL	
		10 mM	0.5551 mL	2.7753 mL	5.5506 mL	
Please refer to the solubility information to select the appropriate solvent.						

BIOLOGICAL ACTIVITY

Description	Scyllo-Inositol, an amyloid inhibitor, potentially inhibits α-synuclein aggregation. Scyllo-Inositol stabilizes a non-fibrillar non-toxic form of amyloid-β peptide (Aβ42) in vitro, reverses cognitive deficits, and reduces synaptic toxicity and lowers amyloid plaques in an Alzheimer's disease mouse model ^[1] .
IC ₅₀ & Target	Human Endogenous Metabolite

REFERENCES

[1]. Ibrahim T, et al. α-Synuclein aggregation, seeding and inhibition by scyllo-inositol. Biochem Biophys Res Commun. 2016 Jan 15;469(3):529-34.

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

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