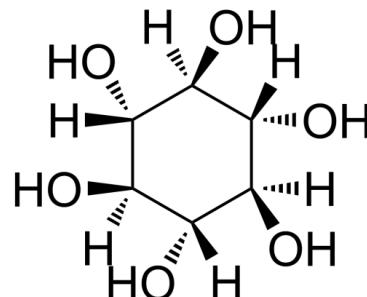


Data Sheet

Product Name:	Scyllo-Inositol
Cat. No.:	CS-W010757
CAS No.:	488-59-5
Molecular Formula:	C ₆ H ₁₂ O ₆
Molecular Weight:	180.16
Target:	Amyloid-β; Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease; Neuronal Signaling
Solubility:	H ₂ O : 5 mg/mL (27.75 mM; Need ultrasonic)



BIOLOGICAL ACTIVITY:

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].

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.

CAIndexNames:

Scyllo-Inositol

SMILES:

O[C@H]1[C@@H]([C@H]([C@@H]([C@H]([C@@H]1O)O)O)O)O

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

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