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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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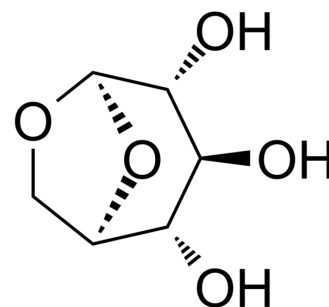
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Levoglucosan

Cat. No.:	HY-W050145	
CAS No.:	498-07-7	
Molecular Formula:	C ₆ H ₁₀ O ₅	
Molecular Weight:	162.14	
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 (616.75 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	6.1675 mL	30.8375 mL	61.6751 mL
		5 mM	1.2335 mL	6.1675 mL	12.3350 mL
10 mM		0.6168 mL	3.0838 mL	6.1675 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (15.42 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (15.42 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (15.42 mM); Clear solution 				

BIOLOGICAL ACTIVITY

Description	Levoglucosan (1,6-Anhydro-β-D-glucopyranose) is an anhydrosugar produced through glucan pyrolysis and is widely found in nature ^[1] .
In Vitro	<p>Monosaccharide anhydrides, such as levoglucosan (1,6-anhydro-β-D-glucopyranoside; LG), mannosan, and galactosan, are generated from the burning of cellulose and hemicellulose^[1].</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p>

REFERENCES

[1]. Kuritani Y, et al. Conversion of levoglucosan into glucose by the coordination of four enzymes through oxidation, elimination, hydration, and reduction. Sci Rep. 2020;10(1):20066. Published 2020 Nov 18.

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

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