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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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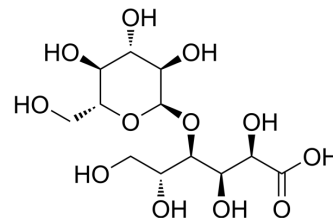
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Maltobionic acid

Cat. No.:	HY-W423191
CAS No.:	534-42-9
Molecular Formula:	C ₁₂ H ₂₂ O ₁₂
Molecular Weight:	358.3
Target:	Others
Pathway:	Others
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 (279.10 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM		2.7910 mL	13.9548 mL	27.9096 mL
		5 mM		0.5582 mL	2.7910 mL	5.5819 mL
		10 mM		0.2791 mL	1.3955 mL	2.7910 mL
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (6.98 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (6.98 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	Maltobionic acid is a naturally-derived polyhydroxy bionic acid. Maltobionic acid shows iron chelating ability, antibacterial potential and cytoprotection ^[1] .
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REFERENCES

[1]. Roberta Cristina de Souza. Et al. Purification, bioactivity and application of maltobionic acid in active films. 3 Biotech. 2024 Jan;14(1):32.

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

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