



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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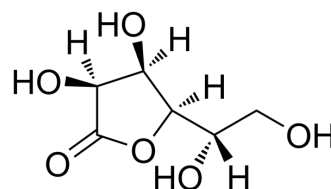
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L-Gulono-1,4-lactone

Cat. No.:	HY-W016628		
CAS No.:	1128-23-0		
Molecular Formula:	C ₆ H ₁₀ O ₆		
Molecular Weight:	178.14		
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

H₂O : 50 mg/mL (280.68 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	5.6136 mL	28.0678 mL	56.1356 mL
	5 mM	1.1227 mL	5.6136 mL	11.2271 mL
	10 mM	0.5614 mL	2.8068 mL	5.6136 mL

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

BIOLOGICAL ACTIVITY

Description

L-Gulono-1,4-lactone is a substrate of L-gulono-1,4-lactone oxidoreductase, which catalyzes the last step of the biosynthesis of L-ascorbic (Vitamin) C. In other words, L-Gulono-1,4-lactone is a direct precursor of vitamin C in animals, in plants and in some protists.

IC₅₀ & Target

Human Endogenous Metabolite	Human Endogenous Metabolite
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REFERENCES

[1]. Wolucka BA, et al. Mycobacterium tuberculosis possesses a functional enzyme for the synthesis of vitamin C, L-gulono-1,4-lactone dehydrogenase. FEBS J. 2006 Oct;273(19):4435-45. Epub 2006 Sep 5.

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

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