



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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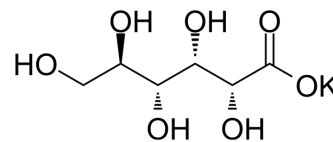
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D-Gluconic acid potassium

Cat. No.:	HY-Y0569C
CAS No.:	299-27-4
Molecular Formula:	C ₆ H ₁₁ KO ₇
Molecular Weight:	234
Target:	Endogenous Metabolite; Fungal
Pathway:	Metabolic Enzyme/Protease; Anti-infection
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

H₂O : 100 mg/mL (427.35 mM; Need ultrasonic)
DMSO : 1.25 mg/mL (5.34 mM; ultrasonic and warming and heat to 80°C)

Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
	1 mM		4.2735 mL	21.3675 mL	42.7350 mL
	5 mM		0.8547 mL	4.2735 mL	8.5470 mL
	10 mM		0.4274 mL	2.1368 mL	4.2735 mL

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

BIOLOGICAL ACTIVITY

Description

D-Gluconic acid potassium is an orally active carboxylic acid by the oxidation with antiseptic and chelating properties^[1].

IC₅₀ & Target

Human Endogenous Metabolite

In Vitro

Potassium Gluconate, a simple sugar acid, is the most significant antifungal metabolite produced by *Pseudomonas* str. AN5 against the take-all fungal pathogen in biocontrol protection^[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Kaur R, et al. Gluconic acid: an antifungal agent produced by *Pseudomonas* species in biological control of take-all. *Phytochemistry*. 2006 Mar;67(6):595-604.

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

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