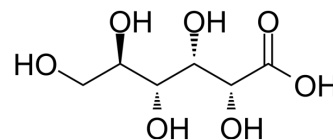


D-Gluconic acid (solution)

Cat. No.:	HY-Y0569
CAS No.:	526-95-4
Molecular Formula:	C ₆ H ₁₂ O ₇
Molecular Weight:	196.16
Target:	Endogenous Metabolite; Fungal
Pathway:	Metabolic Enzyme/Protease; Anti-infection
Storage:	Solution, -20°C, 2 years



SOLVENT & SOLUBILITY

In Vitro	H ₂ O : 100 mg/mL (509.79 mM; Need ultrasonic)
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BIOLOGICAL ACTIVITY

Description	D-Gluconic acid is the carboxylic acid by the oxidation with antiseptic and chelating properties.
IC ₅₀ & Target	Human Endogenous Metabolite
In Vitro	D-gluconic acid, a simple sugar acid, is the most significant antifungal metabolite produced by <i>Pseudomonas. str. AN5</i> 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.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA