



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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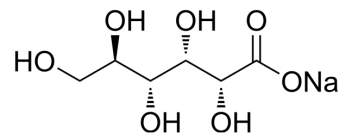
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## Gluconate sodium

Cat. No.:	HY-B1092A
CAS No.:	527-07-1
Molecular Formula:	C <sub>6</sub> H <sub>11</sub> NaO <sub>7</sub>
Molecular Weight:	218.14
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
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	H <sub>2</sub> O : ≥ 100 mg/mL (458.42 mM)					
	DMSO : 1 mg/mL (4.58 mM; ultrasonic and warming and heat to 60°C)					
	* "≥" means soluble, but saturation unknown.					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM		4.5842 mL	22.9211 mL	45.8421 mL
5 mM			0.9168 mL	4.5842 mL	9.1684 mL	
10 mM			0.4584 mL	2.2921 mL	4.5842 mL	
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: PBS Solubility: 50 mg/mL (229.21 mM); Clear solution; Need ultrasonic					

### BIOLOGICAL ACTIVITY

Description	Gluconate sodium (D-Gluconic acid sodium salt) is a corrosion and scale inhibitor.
IC <sub>50</sub> & Target	Human Endogenous Metabolite

### REFERENCES

[1]. R Tourir, et al. Sodium gluconate as corrosion and scale inhibitor of ordinary steel in simulated cooling water. Corrosion Science Volume 50, Issue 6, June 2008, Pages 1530-1537

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

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