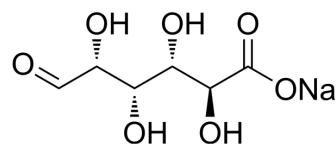


## Glucuronic acid sodium

Cat. No.:	HY-N6612B
CAS No.:	7182-77-6
Molecular Formula:	C <sub>6</sub> H <sub>9</sub> NaO <sub>7</sub>
Molecular Weight:	216.12
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Store at room temperature, keep dry and cool
	In solvent -80°C 2 years
	-20°C 1 year



### SOLVENT & SOLUBILITY

#### In Vitro

H<sub>2</sub>O : 100 mg/mL (462.71 mM; Need ultrasonic)

DMSO : 11.67 mg/mL (54.00 mM; ultrasonic and warming and heat to 60°C)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	4.6271 mL	23.1353 mL	46.2706 mL
5 mM	0.9254 mL	4.6271 mL	9.2541 mL
10 mM	0.4627 mL	2.3135 mL	4.6271 mL

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

### BIOLOGICAL ACTIVITY

#### Description

Glucuronic acid sodium is a polysaccharide that exhibits anti-inflammatory activity, supporting the healing of ulcerative colitis. Glucuronic acid sodium also enhances the intestinal barrier by upregulating tight junction proteins like ZO-1 and Occludin. Furthermore, Glucuronic acid sodium plays a role in modulating gut microbiota by increasing beneficial bacterial populations while suppressing harmful ones.

### REFERENCES

[1]. Scutellaria baicalensis Georgi polysaccharide ameliorates DSS-induced ulcerative colitis by improving intestinal barrier function and modulating gut microbiota

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

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