



# SZABO SCANDIC

Part of Europa Biosite

## 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

### SZABO-SCANDIC HandelsgmbH

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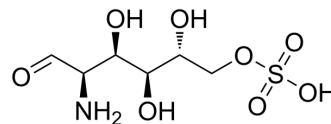
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## Glucosamine 6-sulfate

Cat. No.:	HY-W009439
CAS No.:	91674-26-9
Molecular Formula:	C <sub>6</sub> H <sub>13</sub> NO <sub>8</sub> S
Molecular Weight:	259.23
Target:	Biochemical Assay Reagents
Pathway:	Others
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 : 250 mg/mL (964.39 mM; Need ultrasonic)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.8576 mL	19.2879 mL	38.5758 mL
	5 mM	0.7715 mL	3.8576 mL	7.7152 mL
	10 mM	0.3858 mL	1.9288 mL	3.8576 mL

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

### BIOLOGICAL ACTIVITY

#### Description

Glucosamine 6-sulfate (GlcN6P) is an organic cofactor that splits phosphodiester bonds. Glucosamine 6-sulfate plays a variety of catalytic roles in glmS ribozymes<sup>[1]</sup>.

### REFERENCES

[1]. Khan MA, et al. Two Small RNAs Conserved in Enterobacteriaceae Provide Intrinsic Resistance to Antibiotics Targeting the Cell Wall Biosynthesis Enzyme Glucosamine-6-Phosphate Synthase. *Front Microbiol.* 2016 Jun 15;7:908.

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

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