



# 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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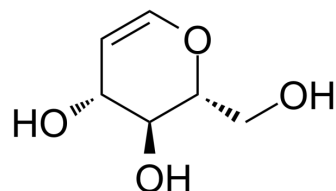
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## D-Glucal

<b>Cat. No.:</b>	HY-W142618		
<b>CAS No.:</b>	13265-84-4		
<b>Molecular Formula:</b>	C <sub>6</sub> H <sub>10</sub> O <sub>4</sub>		
<b>Molecular Weight:</b>	146.14		
<b>Target:</b>	Biochemical Assay Reagents		
<b>Pathway:</b>	Others		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 100 mg/mL (684.28 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	6.8428 mL	34.2138 mL	68.4275 mL
	5 mM	1.3686 mL	6.8428 mL	13.6855 mL
	10 mM	0.6843 mL	3.4214 mL	6.8428 mL

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

### BIOLOGICAL ACTIVITY

#### Description

D-Glucal is an organic compound belonging to the family of aldoses, which are monosaccharides containing an aldehyde functional group. It has a six-carbon structure and is derived from glucose by oxidation of the primary alcohol group at carbon 1 to an aldehyde group. D-Glucal is a white crystalline solid that is soluble in water and has a sweet taste. It is an important intermediate in the chemical synthesis of a wide variety of compounds, including pharmaceuticals, agrochemicals, and natural products. D-Glucal can be converted into other carbohydrate derivatives such as glycosides, glycoconjugates and amino sugars. It also plays a role in the study of carbohydrate chemistry, where it is used as a chiral building block for the synthesis of complex structures.

#### In Vitro

D-Glucal is a biochemical reagent that can be used as a biological material or organic compound for life science related research.

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

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

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