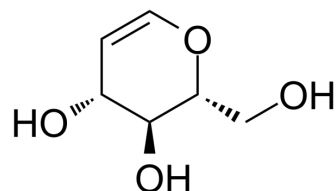


D-Glucal

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



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.

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

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