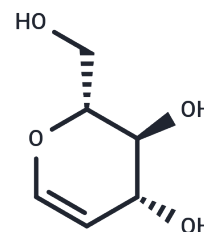


## D-Glucal

## Chemical Properties

CAS No. :	13265-84-4
Formula:	C <sub>6</sub> H <sub>10</sub> O <sub>4</sub>
Molecular Weight:	146.1412
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	D-Glucal is an organic compound belonging to the family of aldohexoses, which are monosaccharides containing an aldehyde functional group. It features a six-carbon structure and is derived from glucose by oxidizing the primary alcohol group at carbon 1 to an aldehyde group. D-Glucal appears as a white crystalline solid, soluble in water, and has a sweet taste. It serves as a crucial intermediate in the chemical synthesis of various compounds, including pharmaceuticals, agrochemicals, and natural products. D-Glucal can be converted into other carbohydrate derivatives, such as glycosides, glycoconjugates, and amino sugars. Additionally, it plays a role in carbohydrate chemistry research and is used as a chiral component for synthesizing complex structures.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
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
50 mM	0.1369 mL	0.6843 mL	1.3686 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481