

β -Glucosidase

Chemical Properties

CAS No. :	9001-22-3
Formula:	C ₂₄ H ₄₄ O ₁₂
Molecular Weight:	524.6
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	β -Glucosidase is a glucoside bond hydrolase widely found in organisms and is involved in glucose metabolism, which can be used to study diseases caused by abnormal glucose metabolism.
Targets(IC50)	Glucosidase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9062 mL	9.5311 mL	19.0621 mL
5 mM	0.3812 mL	1.9062 mL	3.8124 mL
10 mM	0.1906 mL	0.9531 mL	1.9062 mL
50 mM	0.0381 mL	0.1906 mL	0.3812 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.

Reference

- Benjamin L.Turner, et al. β -Glucosidase activity in pasture soils. Applied Soil Ecology, 2002, 157-162.
 Zang X, et al. The structural and functional contributions of β -glucosidase-producing microbial communities to cellulose degradation in composting. Biotechnol Biofuels. 2018 Feb 27;11:51.
 Ketudat Cairns JR, et al. β -Glucosidases. Cell Mol Life Sci. 2010 Oct;67(20):3389-405.

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