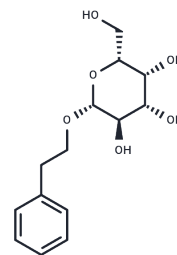


Phenylethyl β -D-Galactopyranoside

Chemical Properties

CAS No. :	14861-16-6
Formula:	C ₁₄ H ₂₀ O ₆
Molecular Weight:	284.31
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	Phenylethyl β -D-Galactopyranoside is synthesized catalyzed by <i>Aspergillus oryzae</i> β -galactosidase. Phenylethyl β -D-Galactopyranoside is utilized in enzymology and glycoside synthesis research focused on glycosidic bond formation, enzyme-catalyzed carbohydrate modification, and glyco-conjugate structural studies.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.5173 mL	17.5864 mL	35.1729 mL
5 mM	0.7035 mL	3.5173 mL	7.0346 mL
10 mM	0.3517 mL	1.7586 mL	3.5173 mL
50 mM	0.0703 mL	0.3517 mL	0.7035 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

Fortun Y, et al. Lithium chloride effect on phenylethyl-BD-galactoside synthesis by *Aspergillus oryzae* BD-galactosidase in the presence of high lactose concentration[J]. Biotechnology letters, 1991, 13: 863-866.

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