

Fmoc-THR(GalNAc(Ac)3- α -D)-OH

Chemical Properties

CAS No. : 116783-35-8

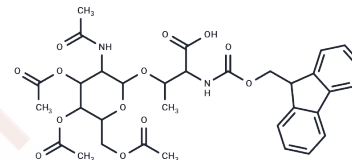
Formula: C₃₃H₃₈N₂O₁₃

Molecular Weight: 670.66

Keep away from moisture

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	Fmoc-THR(GalNAc(Ac)3- α -D)-OH is a reagent for the preparation of a synthetic MUC1 Glycopeptide Bearing β GalNAc-Thr as a Tn antigen isomer which induces the antibody production against tumor cells. Fmoc-THR(GalNAc(Ac)3- α -D)-OH is a starting material to make trimeric MUC1 immunodominant motif antigen-based anti-cancer vaccine candidates.
Targets(IC50)	Others,Amino Acids and Derivatives
In vitro	The Tn antigen is a tumor-associated carbohydrate antigen that is not normally expressed in peripheral tissues or blood cells. Expression of this antigen, which is found in a majority of human carcinomas of all types, arises from a blockage in the normal O-glycosylation pathway in which glycans are extended from the common precursor GalNAc α 1-O-Ser/Thr (Tn antigen)[1].

Solubility Information

Solubility	H ₂ O: soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.4911 mL	7.4553 mL	14.9107 mL
5 mM	0.2982 mL	1.4911 mL	2.9821 mL
10 mM	0.1491 mL	0.7455 mL	1.4911 mL
50 mM	0.0298 mL	0.1491 mL	0.2982 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

Ju T, et al. The Cosmc connection to the Tn antigen in cancer. Cancer Biomark. 2014 Jan 1;14(1):63-81.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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