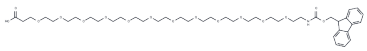
Data Sheet (Cat.No.T20837)

TargetMol

Fmoc-N-amido-PEG12-acid

Chemical Properties



CAS No. : 850312-72-0

Formula: C42H65NO16

Molecular Weight: 839.97

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-N-amido-PEG12-acid is a PEG derivative, it contains a Fmoc-protected amine and a terminal carboxylic acid. The hydrophilic PEG spacer increases solubility in aqueous media. Under the basic conditions, the Fmoc group can be deprotected to obtain the free amine for further conjugations.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.1905 mL	5.9526 mL	11.9052 mL
5 mM	0.2381 mL	1.1905 mL	2.381 mL
10 mM	0.1191 mL	0.5953 mL	1.1905 mL
50 mM	0.0238 mL	0.1191 mL	0.2381 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

Chen Y, Xia R, Huang Y, Zhao W, Li J, Zhang X, Wang P, Venkataramanan R, Fan J, Xie W, Ma X, Lu B, Li S. An immunostimulatory dual-functional nanocarrier that improves cancer immunochemotherapy. Nat Commun. 2016 Nov 7;7:13443. doi: 10.1038/ncomms13443. PubMed PMID: 27819653; PubMed Central PMCID: PMC5103075.

Zhao M, Huang Y, Chen Y, Xu J, Li S, Guo X. PEG-Fmoc-Ibuprofen Conjugate as a Dual Functional Nanomicellar Carrier for Paclitaxel. Bioconjug Chem. 2016 Sep 21;27(9):2198-205. doi: 10.1021/acs.bioconjchem.6b00415. Epub 2016 Aug 25. PubMed PMID: 27532881.

Zhang P, Li J, Ghazwani M, Zhao W, Huang Y, Zhang X, Venkataramanan R, Li S. Effective co-delivery of doxorubicin and dasatinib using a PEG-Fmoc nanocarrier for combination cancer chemotherapy. Biomaterials. 2015 Oct;67:104-14. doi: 10.1016/j.biomaterials.2015.07.027. Epub 2015 Jul 15. PubMed PMID: 26210177; PubMed Central PMCID: PMC4550547.

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