

Fmoc-Val-Cit-PAB

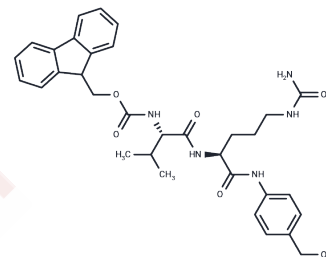
Chemical Properties

CAS No. : 159858-22-7

Formula: C₃₃H₃₉N₅O₆

Molecular Weight: 601.69

Storage: Keep away from direct sunlight
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-Val-Cit-PAB is a linker used for antibody-drug-conjugation (ADC).
Targets(IC50)	ADC Linker

Solubility Information

Solubility	DMSO: 123.75 mg/mL (205.67 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.662 mL	8.3099 mL	16.6199 mL
5 mM	0.3324 mL	1.662 mL	3.324 mL
10 mM	0.1662 mL	0.831 mL	1.662 mL
50 mM	0.0332 mL	0.1662 mL	0.3324 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

Sano K, Nakajima T, Miyazaki K, Ohuchi Y, Ikegami T, Choyke PL, Kobayashi H. Short PEG-linkers improve the performance of targeted, activatable monoclonal antibody-indocyanine green optical imaging probes. *Bioconjug Chem.* 2013 May 15;24(5):811-6. doi: 10.1021/bc42020050k. Epub 2013 May 3. Sano K, Nakajima T, Miyazaki K, Ohuchi Y, Ikegami T, Choyke PL, Kobayashi H. Short PEG-linkers improve the performance of targeted, activatable monoclonal antibody-indocyanine green optical imaging probes. *Bioconjug Chem.* 2013 May 15;24(5):811-6. doi: 10.1021/bc42020050k. Epub 2013 May 3.

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Tuma R, Russell M, Rosendahl M, Thomas GJ Jr. Solution conformation of the extracellular domain of the human tumor necrosis factor receptor probed by Raman and UV-resonance Raman spectroscopy: structural effects of an engineered PEG linker. *Biochemistry.* 1995 Nov 21;34(46):15150-6.

Kanazaki K, Sano K, Makino A, Yamauchi F, Takahashi A, Homma T, Ono M, Saji H. Feasibility of poly(ethylene glycol) derivatives as diagnostic drug carriers for tumor imaging. *J Control Release.* 2016 Mar 28;226:115-23. doi: 10.12016/j.jconrel.2016.02.2017. Epub 2016 Feb 8.

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