

Paclitaxel-MVCP

Chemical Properties

CAS No. : 2119034-12-5

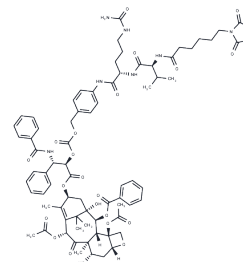
Formula: C76H89N7O22

Molecular Weight: 1452.58

Keep away from direct sunlight

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	Paclitaxel-MVCP (MC-val-cit-pab-paclitaxel)is a paclitaxel derivative with an MC-Val-Cit-PAB linker, which can be used for the preparation of Paclitaxel conjugates for drug delivery and nanomedicine research.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.6884 mL	3.4422 mL	6.8843 mL
5 mM	0.1377 mL	0.6884 mL	1.3769 mL
10 mM	0.0688 mL	0.3442 mL	0.6884 mL
50 mM	0.0138 mL	0.0688 mL	0.1377 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

- Yan Q, Yang Y, Chen W, Hu J, Yang D. Construction of polymer-paclitaxel conjugate linked via a disulfide bond. *Mater Sci Eng C Mater Biol Appl.* 2016 Jan 1;58:580-5. doi: 10.1016/j.msec.2015.09.025. Epub 2015 Sep 10. PubMed PMID: 26478347.
- Yin S, Huai J, Chen X, Yang Y, Zhang X, Gan Y, Wang G, Gu X, Li J. Intracellular delivery and antitumor effects of a redox-responsive polymeric paclitaxel conjugate based on hyaluronic acid. *Acta Biomater.* 2015 Oct 15;26:274-85. doi: 10.1016/j.actbio.2015.08.029. Epub 2015 Aug 20. PubMed PMID: 26300335.
- He X, Lin M, Lu T, Qu Z, Xu F. Molecular analysis of interactions between a PAMAM dendrimer-paclitaxel conjugate and a biomembrane. *Phys Chem Chem Phys.* 2015 Nov 28;17(44):29507-17. doi: 10.1039/c5cp02242h. Epub 2015 Aug 10. PubMed PMID: 26256278.
- Wu D, Zheng Y, Hu X, Fan Z, Jing X. Anti-tumor activity of folate targeted biodegradable polymer-paclitaxel conjugate micelles on EMT-6 breast cancer model. *Mater Sci Eng C Mater Biol Appl.* 2015 Aug;53:68-75. doi: 10.1016/j.msec.2015.04.012. Epub 2015 Apr 14. PubMed PMID: 26042692.

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