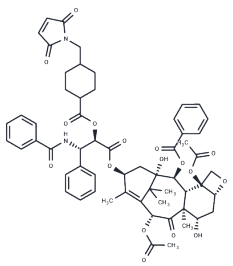
Data Sheet (Cat.No.T28289)

TargetMol

Paclitaxel-SMCC

Chemical Properties



CAS No. :

Formula: C59H64N2O17

Molecular Weight: 1073.16

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	Paclitaxel-SMCC is a paclitaxel derivative with a SMCC linker. (Succinimidyl-4-(N -maleimidomethyl)cyclohexane-1-carboxylate). Paclitaxel-SMCC can be used to synthesize Paclitaxel bioconjugates with enzymes, antobodies, antigens and other biopolymers. Paclitaxel-SMCC is often used for drug delivery research.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.9318 mL	4.6591 mL	9.3183 mL
5 mM	0.1864 mL	0.9318 mL	1.8637 mL
10 mM	0.0932 mL	0.4659 mL	0.9318 mL
50 mM	0.0186 mL	0.0932 mL	0.1864 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

Zhai Q, Chen Y, Xu J, Huang Y, Sun J, Liu Y, Zhang X, Li S, Tang S. Lymphoma immunochemotherapy: targeted delivery of doxorubicin via a dual functional nanocarrier. Mol Pharm. 2017 Aug 29. doi: 10.1021/acs.molpharmaceut.7b00606. [Epub ahead of print] PubMed PMID: 28850241.

Eldar-Boock A, Blau R, Ryppa C, Baabur-Cohen H, Many A, Vicent MJ, Kratz F, Sanchis J, Satchi-Fainaro R. Integrin-targeted nano-sized polymeric systems for paclitaxel conjugation: a comparative study. J Drug Target. 2017 Aug 8: 1-16. doi: 10.1080/1061186X.2017.1358727. [Epub ahead of print] PubMed PMID: 28737432.

Markovsky E, Vax E, Ben-Shushan D, Eldar-Boock A, Shukrun R, Yeini E, Barshack I, Caspi R, Harari-Steinberg O, Pode-Shakked N, Dekel B, Satchi-Fainaro R. WILMS TUMOR NCAM-EXPRESSING CANCER STEM CELLS AS POTENTIAL THERAPEUTIC TARGET FOR POLYMERIC NANOMEDICINE. Mol Cancer Ther. 2017 Jul 20. pii: molcanther.0184.2017. doi: 10.1158/1535-7163.MCT-17-0184. [Epub ahead of print] PubMed PMID: 28729402.

Weiss C, Figueras E, Borbely AN, Sewald N. Cryptophycins: cytotoxic cyclodepsipeptides with potential for tumor targeting. J Pept Sci. 2017 Jul;23(7-8):514-531. doi: 10.1002/psc.3015. Epub 2017 Jun 29. PubMed PMID: 28661555.