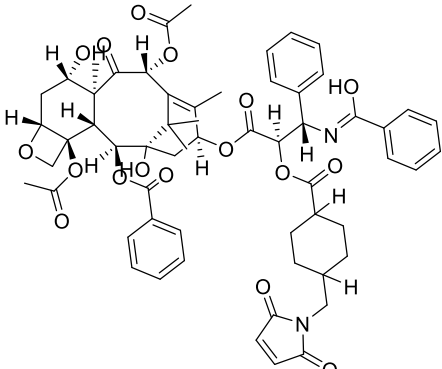


Product data sheet



MedKoo Cat#: 407803 Name: Paclitaxel-SMCC CAS#: Unknown Chemical Formula: C ₅₉ H ₆₄ N ₂ O ₁₇ Exact Mass: 1072.4205 Molecular Weight: 1073.158	
Product supplied as:	Powder
Purity (by HPLC):	≥ 98%
Shipping conditions	Ambient temperature
Storage conditions:	Powder: -20°C 3 years; 4°C 2 years. In solvent: -80°C 3 months; -20°C 2 weeks.

1. Product description:

Paclitaxel-SMCC is a paclitaxel derivative with a SMCC linker. (Succinimidy1-4-(N -maleimidomethyl)cyclohexane-1-carboxylate). Maleimide in Paclitaxel-SMCC can react with sulfhydryl groups at pH 6.5-7.5 to form a stable thioether bond. Paclitaxel-SMCC can be used to synthesize Paclitaxel bioconjugates with proteins, enzymes; antibodies, antigens, and other biopolymers. Paclitaxel-SMCC is often used for drug delivery research.

2. CoA, QC data, SDS, and handling instruction

SDS and handling instruction, CoA with copies of QC data (NMR, HPLC and MS analytical spectra) can be downloaded from the product web page under “QC And Documents” section. Note: copies of analytical spectra may not be available if the product is being supplied by MedKoo partners. Whether the product was made by MedKoo or provided by its partners, the quality is 100% guaranteed.

3. Solubility data

Solvent	Max Conc. mg/mL	Max Conc. mM
DMSO	TBD	TBD

4. Stock solution preparation table:

Concentration / Solvent Volume / Mass	1 mg	5 mg	10 mg
1 mM	0.93 mL	4.66 mL	9.32 mL
5 mM	0.19 mL	0.93 mL	1.86 mL
10 mM	0.09 mL	0.47 mL	0.93 mL
50 mM	0.02 mL	0.09 mL	0.19 mL

5. Molarity Calculator, Reconstitution Calculator, Dilution Calculator

Please refer the product web page under section of “Calculator”

6. Recommended literature which reported protocols for in vitro and in vivo study

In vitro study

TBD

In vivo study

TBD

7. Bioactivity

Biological target:

TBD

In vitro activity

TBD

In vivo activity

TBD

Product data sheet



Note: The information listed here was extracted from literature. MedKoo has not independently retested and confirmed the accuracy of these methods. Customer should use it just for a reference only.