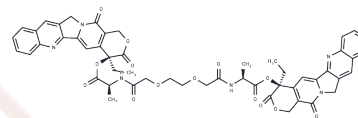


## Pegamotecan

## Chemical Properties

CAS No. :	581079-18-7
Formula:	C <sub>52</sub> H <sub>48</sub> N <sub>6</sub> O <sub>14</sub>
Molecular Weight:	980.984
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	Pegamotecan (PEG-camptothecin) is a topoisomerase I (TOP1) inhibitor with anticancer activity, and it is used in the treatment of esophageal, non-small cell lung and pancreatic cancers.
Targets(IC50)	Topoisomerase

## Solubility Information

Solubility	DMSO: 16.67 mg/mL (16.99 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.0194 mL	5.0969 mL	10.1939 mL
5 mM	0.2039 mL	1.0194 mL	2.0388 mL
10 mM	0.1019 mL	0.5097 mL	1.0194 mL
50 mM	0.0204 mL	0.1019 mL	0.2039 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

- Chuang CH, et al. Development of pH-Sensitive Cationic PEGylated Solid Lipid Nanoparticles for Selective Cancer-Targeted Therapy. *J Biomed Nanotechnol.* 2017 Feb;13(2):192-03.
- Omar R, et al. Amphiphilic star PEG-Camptothecin conjugates for intracellular targeting. *J Control Release.* 2017 Jul 10;257:76-83.
- Song ZL, et al. Design and synthesis of novel PEG-conjugated 20(S)-camptothecin sulfonylamidine derivatives with potent in vitro antitumor activity via Cu-catalyzed three-component reaction. *Bioorg Med Chem Lett.* 2015 Jul 1;25(13):2690-3.
- Scott LC, et al. A phase II study of pegylated-camptothecin (pegamotecan) in the treatment of locally advanced and metastatic gastric and gastro-oesophageal junction adenocarcinoma. *Cancer Chemother Pharmacol.* 2009 Jan;63(2):363-70.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481