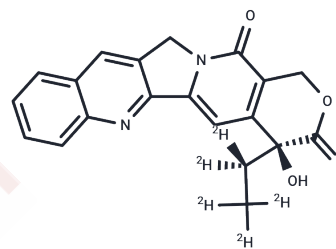


## Camptothecin-D5

## Chemical Properties

CAS No. :	1329616-37-6
Formula:	C <sub>20</sub> H <sub>16</sub> N <sub>2</sub> O <sub>4</sub>
Molecular Weight:	353.38
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	Camptothecin-D5 is a deuterated derivative of Camptothecin (T1123) (CPT), an alkaloid and an inhibitor of DNA topoisomerase I (Topo I) with an IC <sub>50</sub> value of 679 nM. Camptothecin (T1123) (CPT) exhibits potent antitumor activity against colorectal, breast, lung, and ovarian cancers by modulating the expression pattern of miRNA and regulating the activity of hypoxia-inducible factor-1 $\alpha$ (HIF-1 $\alpha$ ) in human cancer cells.
Targets(IC <sub>50</sub> )	ADC Cytotoxin

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8298 mL	14.1491 mL	28.2981 mL
5 mM	0.566 mL	2.8298 mL	5.6596 mL
10 mM	0.283 mL	1.4149 mL	2.8298 mL
50 mM	0.0566 mL	0.283 mL	0.566 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.

**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