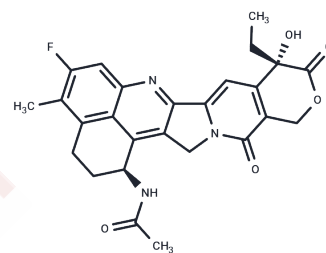


## Ac-Exatecan

## Chemical Properties

CAS No. :	2922852-48-8
Formula:	C <sub>26</sub> H <sub>24</sub> FN <sub>3</sub> O <sub>5</sub>
Molecular Weight:	477.48
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	Ac-Exatecan (Ac-DX-8951) is acetylation-modified Exatecan. Exatecan (DX-8951) is a DNA topoisomerase I (TOP1) inhibitor with an IC <sub>50</sub> value of 2.2 μM and antitumor activity.
Targets(IC <sub>50</sub> )	ADC Cytotoxin, Topoisomerase

## Solubility Information

Solubility	DMSO: 80 mg/mL (167.55 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0943 mL	10.4716 mL	20.9433 mL
5 mM	0.4189 mL	2.0943 mL	4.1887 mL
10 mM	0.2094 mL	1.0472 mL	2.0943 mL
50 mM	0.0419 mL	0.2094 mL	0.4189 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

Mitsui I, et al. A new water-soluble camptothecin derivative, DX-8951f, exhibits potent antitumor activity against human tumors in vitro and in vivo. *Jpn J Cancer Res.* 1995 Aug;86(8):776-82.

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