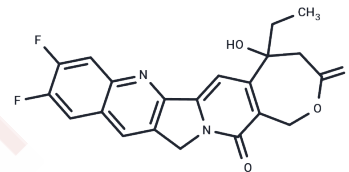


Diflomotecan

Chemical Properties

CAS No. :	186668-70-2
Formula:	C ₂₁ H ₁₆ F ₂ N ₂ O ₄
Molecular Weight:	398.36
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	Diflomotecan (BN 80915) is a potent, orally active topoisomerase I inhibitor with enhanced plasma stability and superior preclinical anti-tumor activity compared to established compounds.
Targets(IC50)	Others, Topoisomerase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5103 mL	12.5515 mL	25.1029 mL
5 mM	0.5021 mL	2.5103 mL	5.0206 mL
10 mM	0.251 mL	1.2551 mL	2.5103 mL
50 mM	0.0502 mL	0.251 mL	0.5021 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

Kroep JR, et al. Diflomotecan, a promising homocamptothecin for cancer therapy. *Expert Opin Investig Drugs*. 2009;18(1):69-75.

Gelderblom H, et al. Phase I pharmacological and bioavailability study of oral diflomotecan (BN80915), a novel E-ring-modified camptothecin analogue in adults with solid tumors. *Clin Cancer Res*. 2003;9(11):4101-4107.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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