Data Sheet (Cat.No.T71137)

TargetMol

Simmitecan hydrochloride

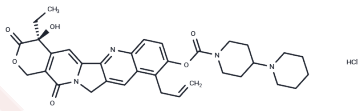
Chemical Properties

CAS No. : 1247847-78-4

Formula: C34H39ClN4O6

Molecular Weight: 635.15

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	Simmitecan hydrochloride is a camptothecin derivative, a topoisomerase I inhibitor with anticancer activity, which can be used to study is solid tumors.
Targets(IC50)	Cytochromes P450,Topoisomerase

Solubility Information

Solubility	H2O: 25 mg/mL (39.36 mM),Sonication is recommended. DMSO: 100 mg/mL (157.44 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5744 mL	7.8722 mL	15.7443 mL
5 mM	0.3149 mL	1.5744 mL	3.1489 mL
10 mM	0.1574 mL	0.7872 mL	1.5744 mL
50 mM	0.0315 mL	0.1574 mL	0.3149 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

Rini B, et al. A phase I/II study of lenalidomide in combination with sunitinib in patients with advanced or metastatic renal cell carcinoma. Ann Oncol. 2014 Sep;25(9):1794-1799.
Hu ZY, et al. Pharmacokinetic evaluation of the anticancer prodrug simmitecan in different experimental animals. Acta Pharmacol Sin. 2013 Nov;34(11):1437-48.

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