Product Data Sheet

Exatecan-d₅ mesylate

Cat. No.: HY-13631AS CAS No.: 2819276-88-3 Molecular Formula: $C_{25}H_{21}D_5FN_3O_7S$

Molecular Weight: 536.58

Target: Topoisomerase

Pathway: Cell Cycle/DNA Damage

Storage: 4°C, sealed storage, away from moisture and light

* In solvent: -80°C, 2 years; -20°C, 1 year (sealed storage, away from moisture and

light)

SOLVENT & SOLUBILITY

In Vitro

DMSO: 4.67 mg/mL (8.70 mM; ultrasonic and warming and heat to 60°C)

Preparing Stock Solutions	Solvent Mass Concentration	1 mg	5 mg	10 mg
	1 mM	1.8637 mL	9.3183 mL	18.6365 mL
	5 mM	0.3727 mL	1.8637 mL	3.7273 mL
	10 mM			

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Exatecan- d_5 (mesylate) is deuterium labeled Exatecan mesylate. Exatecan mesylate is a DNA topoisomerase I inhibitor, with an IC50 of 0.975 μ g/mL[1].

REFERENCES

[1]. 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.

Caution: Product has not been fully validated for medical applications. For research use only.

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