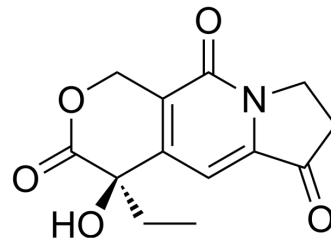


## (R)-Exatecan Intermediate 1

**Cat. No.:** HY-42487B  
**CAS No.:** 110351-91-2  
**Molecular Formula:** C<sub>13</sub>H<sub>13</sub>NO<sub>5</sub>  
**Molecular Weight:** 263.25  
**Target:** ADC Cytotoxin; Topoisomerase  
**Pathway:** Antibody-drug Conjugate/ADC Related; Cell Cycle/DNA Damage  
**Storage:** 4°C, stored under nitrogen, away from moisture  
 \* In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen, away from moisture)



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 100 mg/mL (379.87 mM; Need ultrasonic)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		3.7987 mL	18.9934 mL	37.9867 mL
	5 mM		0.7597 mL	3.7987 mL	7.5973 mL
	10 mM		0.3799 mL	1.8993 mL	3.7987 mL

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

### BIOLOGICAL ACTIVITY

#### Description

(R)-Exatecan Intermediate 1 is an isomer of Exatecan Intermediate 1 (HY-42487). Exatecan Intermediate 1 (compound 6) is an intermediate of Exatecan (HY-13631), a camptothecin-based anticancer agent. Exatecan inhibits tumor growth by interfering with the proliferation and division of tumor cells by interacting with DNA. Exatecan is primarily used in research into a variety of cancers including ovarian, lung and breast cancer<sup>[1][2]</sup>.

#### IC<sub>50</sub> & Target

Camptothecins

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

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