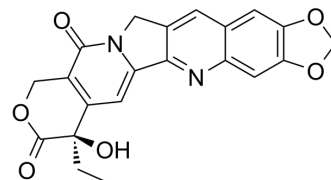


(R)-FL118

Cat. No.:	HY-15792		
CAS No.:	151636-76-9		
Molecular Formula:	C ₂₁ H ₁₆ N ₂ O ₆		
Molecular Weight:	392.36		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 2.7 mg/mL (6.88 mM; ultrasonic and warming and heat to 60°C)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	2.5487 mL	12.7434 mL	25.4868 mL
5 mM	0.5097 mL	2.5487 mL	5.0974 mL
10 mM	---	---	---

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

BIOLOGICAL ACTIVITY

Description

(R)-FL118 (10,11-(Methylenedioxy)-20(R)-camptothecin) is the R-enantiomer of [FL118](#) (HY-12486). (R)-FL118 shows anticancer activity^[1].

In Vitro

(R)-FL118 inhibits the growth of melanoma, breast, and prostate cancer cell lines, with IC₅₀ values of 392.7, 32.53, 129.3, 138.7, and 92.51 ng/mL in B16, MCF-7, HS578T, DU145, and MPC3 cells, respectively^[1].
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Del Poeta M, et al. Comparison of in vitro activities of camptothecin and nitidine derivatives against fungal and cancer cells. Antimicrob Agents Chemother. 1999 Dec;43(12):2862-8.

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

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