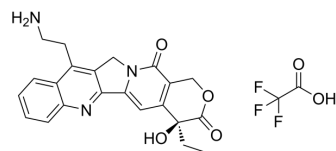


7-(2-Aminoethyl)camptothecin TFA

Cat. No.:	HY-159162A
Molecular Formula:	C ₂₄ H ₂₂ F ₃ N ₃ O ₆
Molecular Weight:	505.44
Target:	Others
Pathway:	Others
Storage:	-20°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (197.85 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM		1.9785 mL	9.8924 mL	19.7847 mL
		5 mM		0.3957 mL	1.9785 mL	3.9569 mL
		10 mM		0.1978 mL	0.9892 mL	1.9785 mL
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (4.95 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (4.95 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (4.95 mM); Clear solution 					

BIOLOGICAL ACTIVITY

Description	7-(2-Aminoethyl)camptothecin TFA (7CPT TFA) is the TFA salt form of Camptothecin (HY-16560) derivative 7-(2-Aminoethyl)camptothecin (HY-159162). 7-(2-Aminoethyl)camptothecin TFA can be used for synthesis of conjugate with triple helix-forming oligonucleotides (TFOs) and camptothecin (CPT). The TFO-CPT conjugate is used for DNA cleavage ^[1] .
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REFERENCES

[1]. Arimondo P B, et al. Design and optimization of camptothecin conjugates of triple helix-forming oligonucleotides for sequence-specific DNA cleavage by

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

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