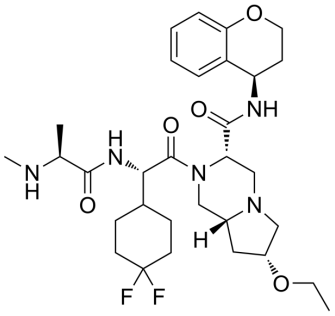
T-3256336

Cat. No.:	HY-100682
CAS No.:	1266227-69-3
Molecular Formula:	$C_{31}H_{45}F_2N_5O_5$
Molecular Weight:	605.72
Target:	IAP
Pathway:	Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	T-3256336 is a potent and orally active cIAP1 and XIAP inhibitor with IC_{50}s of 1.3, 200 nM, respectively. T-3256336 shows anti-tumor activity[1].

IC_{50} & Target	cIAP1	XIAP
	1.3 nM (IC_{50})	200 nM (IC_{50})

In Vivo

T-3256336 (compound 45) (30, 100 mg/kg; p.o.) increases caspase-3/7 activity and shows anti-tumoe activity in mouse[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

Animal Model:	Female BALB/cAJcl mice (MDA-MB-231-Luc xenograft)[1]
Dosage:	30, 100 mg/kg
Administration:	P.o.
Result:	Stimulated caspase-3/7 activity in a dose-dependent manner, induced tumor regression in a dose-dependent manner with a percent tumor growth inhibition (T/C) of 53% and 62% at 30 mg/kg and 100 mg/kg, respectively.

REFERENCES

[1]. Hashimoto K, et al. Design and synthesis of potent inhibitor of apoptosis (IAP) proteins antagonists bearing an octahydropyrrolo[1,2-a]pyrazine scaffold as a novel proline mimetic. J Med Chem. 2013 Feb 14;56(3):1228-46.

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