cRIPGBM chloride

Cat. No.:	HY-115630	
CAS No.:	2361988-77-2	\square
Molecular Formula:	C ₂₆ H ₂₀ ClFN ₂ O ₂	
Molecular Weight:	446.9	
Target:	Caspase; Apoptosis; RIP kinase	
Pathway:	Apoptosis	Ö
Storage:	4°C, sealed storage, away from moisture	F
	* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)	

SOLVENT & SOLUBILITY

		Mass Solvent Concentration	1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	2.2376 mL	11.1882 mL	22.3764 ml
Stock Solution		5 mM	0.4475 mL	2.2376 mL	4.4753 mL
		10 mM	0.2238 mL	1.1188 mL	2.2376 mL

BIOLOGICAL ACTIV	ІТҮ	
Description	cancer stem cells (CSCs). cRIF dependent apoptosis. cRIPGE	active, proapoptotic derivative. cRIPGBM can be generated from glioblastoma multiforme (GBM) PGBM(chloride) targets to receptor-interacting protein kinase 2 (RIPK2) to induce caspase 1- BM(chloride) suppresses the formation of RIPK2/TAK1 (prosurvival complex), and increases the L (proapoptotic complex). cRIPGBM(chloride) exerts potent anti-tumor activity in vivo in animal
IC₅₀ & Target	Caspase-1	RIPK2
In Vitro	cleavage, in CBM-1 GBM CSCs cRIPGBM chloride (0.125 μM,	-24 h) time-dependently activates caspase 1, caspase 9, and caspase 7, as well as PARP ₅ ^[1] . 0.25 μM; 24 h) induces cell apoptosis mediated by caspase 1 in CBM-1 GBM CSCs ^[1] . onfirmed the accuracy of these methods. They are for reference only. GBM-1 GBM CSCs



	Concentration:	50 nM, 100 nM, 125 nM, 250 nM, and 500 nM
	Incubation Time:	3 h, 6 h, 12 h, and 24 h
	Result:	Had the ability to regulate RIPK2 to act as a prosurvival or proapoptotic molecule. Significantly reduced RIPK2 binding to cIAP2 in a dose-dependent manner.
in vivo	xenograft mouse model MCE has not independe	ntly confirmed the accuracy of these methods. They are for reference only.
In Vivo	xenograft mouse model	IS ^[1] .
in vivo	xenograft mouse model MCE has not independe	ls ^[1] . ntly confirmed the accuracy of these methods. They are for reference only.
n vivo	xenograft mouse model MCE has not independe Animal Model:	Is ^[1] . ntly confirmed the accuracy of these methods. They are for reference only. Orthotopic intracranial xenograft model in mouse ^[1]

REFERENCES

[1]. Lucki NC, et al. A cell type-selective apoptosis-inducing small molecule for the treatment of brain cancer. Proc Natl Acad Sci U S A. 2019 Mar 26;116(13):6435-6440.

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

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