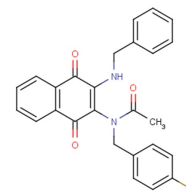


RIPGBM

Chemical Properties

CAS No.:	355406-76-7
Formula:	C ₂₆ H ₂₁ FN ₂ O ₃
Molecular Weight:	428.45
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	RIPGBM is a selective inducer of apoptosis in glioblastoma multiforme cancer stem cells (EC ₅₀ : ≤500 nM).
Targets(IC ₅₀)	Apoptosis, in GBM CSCs: (EC ₅₀)≤500 nM
In vitro	RIPGBM causes caspase 1-dependent apoptosis by binding to receptor-interacting protein kinase 2 and acting as a molecular switch. It reduces the formation of a prosurvival RIPK2/ TAK1 complex and increases the formation of a proapoptotic RIPK2/caspase 1 complex [1].

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.334 mL	11.67 mL	23.34 mL
5 mM	0.467 mL	2.334 mL	4.668 mL
10 mM	0.233 mL	1.167 mL	2.334 mL
50 mM	0.047 mL	0.233 mL	0.467 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

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.

Inhibitors · Natural Compounds · Compound Libraries

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