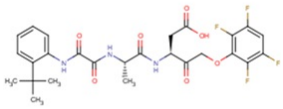
Data Sheet (Cat.No.T6826)

TargetMol
A DRUG SCREENING EXPERT

Emricasan

Chemical Properties



CAS No.:	254750-02-2
Formula:	C26H27F4N3O7
Molecular Weight:	569.5
Appearance:	N/A
Storage:	0-4℃ for short term (days to weeks), or -20℃ for long term (months).

Biological Description

Description	Emricasan is an effective and irreversible pan-caspase inhibitor.
Targets(IC_{50})	Caspase: None
In vitro	Emricasan (IDN-6556 or PF-03491390) is an inhibitor of activated caspases, and it has sub- to nanomolar activity in vitro. Emricasan has a neuroprotective activity for hNPCs but does not inhibit ZIKV replication.
In vivo	Emricasan reduces liver injury but not metabolic derangement in NASH. It also ameliorates inflammation. In the murine NASH model, Emricasan can attenuate stellate cell activation and hepatic fibrogenesis.
Cell Research	Astrocytes are mock-infected, treated with DMSO or treated with 2 μM niclosamide, 92 μM PHA-690509, 9 μM emricasan, or a combination of 92 μM PHA-690509 and 9 μM emricasan for 1 h before infection with PRVABC59 (MOI = 0.5). Cells are fixed 24 h after infection and stained for ZIKVE and nuclei.(Only for Reference) Cell lines: Astrocytes
Animal Research	Animal Model: C57BL/6J mice

Solubility Information

Solubility	DMSO: 93 mg/mL (163.3 mM) Ethanol: 93 mg/mL (163.3 mM) Water: <1 mg/mL (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.756 mL	8.78 mL	17.559 mL
5 mM	0.351 mL	1.756 mL	3.512 mL
10 mM	0.176 mL	0.878 mL	1.756 mL
50 mM	0.035 mL	0.176 mL	0.351 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 ℃ for 6 months; - 20 ℃ for 1 month. Please use it as soon as possible.

Reference

3. Tang Q, Li W, Zheng X, et al. MELK is an oncogenic kinase essential for metastasis, mitotic progression, and programmed death in lung carcinoma[J]. Signal Transduction and Targeted Therapy. 2020, 5(1): 1-12.

4. Tang Q, Ren L, Liu J, et al. Withaferin A triggers G2/M arrest and intrinsic apoptosis in glioblastoma cells via ATF4-ATF3-CHOP axis[J]. Cell proliferation. 2019: e12706.

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