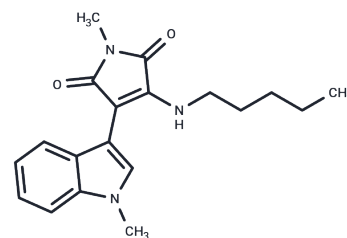


IM-54

Chemical Properties

CAS No. : 861891-50-1
Formula: C₁₉H₂₃N₃O₂
Molecular Weight: 325.4
Appearance: no data available
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	IM-54 is a cell-permeable, effective, and selective necrosis inhibitor.
Targets(IC ₅₀)	MLK

Solubility Information

Solubility	DMSO: 45 mg/mL (138.3 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0731 mL	15.3657 mL	30.7314 mL
5 mM	0.6146 mL	3.0731 mL	6.1463 mL
10 mM	0.3073 mL	1.5366 mL	3.0731 mL
50 mM	0.0615 mL	0.3073 mL	0.6146 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Dodo K, et al. Indolylmaleimide Derivative IM-17 Shows Cardioprotective Effects in Ischemia-Reperfusion Injury. ACS Med Chem Lett. 2018 Jan 29;9(3):182-187.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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