

A-1155905

## Chemical Properties

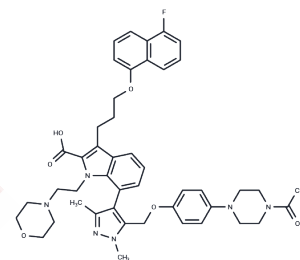
CAS No. : 2228052-37-5

Formula: C<sub>46</sub>H<sub>51</sub>FN<sub>6</sub>O<sub>6</sub>

Molecular Weight: 802.93

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	A-1155905 is an MCL-1 inhibitor with anticancer activity, demonstrating a half maximal inhibitory concentration (IC <sub>50</sub> ) of 33.5 Nm and a dissociation constant (K <sub>i</sub> ) of 0.58 nM. This compound selectively binds to MCL-1 and possesses sufficient affinity to disrupt the MCL-1-Bim complex in live cells. The induction of death in MCL-1-dependent cell lines by A-1155905 is reliant on caspase proteins and occurs through apoptosis.
Targets(IC <sub>50</sub> )	Apoptosis,Bcl-2 Family,Caspase

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.2454 mL	6.2272 mL	12.4544 mL
5 mM	0.2491 mL	1.2454 mL	2.4909 mL
10 mM	0.1245 mL	0.6227 mL	1.2454 mL
50 mM	0.0249 mL	0.1245 mL	0.2491 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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