

RC-106

## Chemical Properties

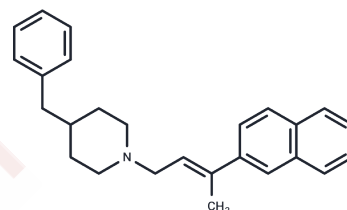
CAS No. : 1346216-50-9

Formula: C<sub>26</sub>H<sub>29</sub>N

Molecular Weight: 355.52

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	RC-106, a proteasome inhibitor (IC <sub>50</sub> : 35 μM) and Sigma receptor modulator, exhibits anticancer activity and antiproliferative effects against cancer cells, including glioblastoma (GB) and multiple myeloma (MM) [1].
Targets(IC <sub>50</sub> )	Proteasome, Sigma receptor
In vitro	RC-106, when administered at a concentration of 60 μM for 24 hours, was found to inhibit the viability of cancer cells [1]. In a cell viability assay [1] using U87-MG cells, RC-106 demonstrated moderate activity. Specifically, at concentrations of 40 and 60 μM over an incubation period of 24 hours, it notably reduced cell viability to 34% at the higher concentration.

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8128 mL	14.0639 mL	28.1278 mL
5 mM	0.5626 mL	2.8128 mL	5.6256 mL
10 mM	0.2813 mL	1.4064 mL	2.8128 mL
50 mM	0.0563 mL	0.2813 mL	0.5626 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**

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