

## RAPT-37-Me

## Chemical Properties

CAS No. :	2396467-34-6
Formula:	C22H21BrFN7O
Molecular Weight:	498.36
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	RAPT-37-Me is a GCN2 inhibitor, exhibiting IC50 values for GCN2, PERK, HRI, and PKR of 0.002 $\mu$ M, >10 $\mu$ M, 4.40 $\mu$ M, and 1.31 $\mu$ M, respectively.
In vitro	RAPT-37-Me (0-10 $\mu$ M, 72 h) exhibits a U-shaped activity response in MOLM-16 cells, with the most significant decrease in cell viability observed at moderate concentrations (approximately 0.01 $\mu$ M), while lower and higher concentrations show reduced inhibition. EMD-C02602 (0.05-0.12 $\mu$ M, 8 h) enhances ATF4 expression in MOLM-16 cells. Additionally, EMD-C02602 (0.01-0.37 $\mu$ M, 8 h) increases p-GCN2 expression without affecting GCN2 expression.

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0066 mL	10.0329 mL	20.0658 mL
5 mM	0.4013 mL	2.0066 mL	4.0132 mL
10 mM	0.2007 mL	1.0033 mL	2.0066 mL
50 mM	0.0401 mL	0.2007 mL	0.4013 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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