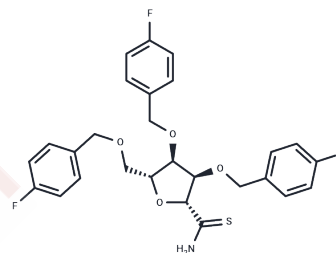


## Ran-IN-1

## Chemical Properties

CAS No. :	2301869-11-2
Formula:	C <sub>27</sub> H <sub>26</sub> F <sub>3</sub> N <sub>1</sub> O <sub>4</sub> S
Molecular Weight:	517.56
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	Ran-IN-1 (Compound M36) is an orally active and selective inhibitor of Ran GTPase. It binds allosterically with high specificity to the switch II pocket of GDP-bound Ran (RanGDP), stabilizing its inactive state and reducing the formation of active Ran-GTP. Ran-IN-1 induces apoptosis in epithelial ovarian cancer (EOC) cells and inhibits DNA repair pathways such as homologous recombination (HR) and non-homologous end joining (NHEJ). This compound shows potential for research in epithelial ovarian cancer, particularly in high-grade serous carcinoma.
Targets(IC50)	Apoptosis,GTPase

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9321 mL	9.6607 mL	19.3214 mL
5 mM	0.3864 mL	1.9321 mL	3.8643 mL
10 mM	0.1932 mL	0.9661 mL	1.9321 mL
50 mM	0.0386 mL	0.1932 mL	0.3864 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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