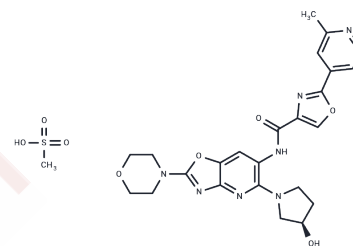


## Emavusertib Mesylate

## Chemical Properties

CAS No. :	2376399-40-3
Formula:	C <sub>25</sub> H <sub>29</sub> N <sub>7</sub> O <sub>8</sub> S
Molecular Weight:	587.61
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	Emavusertib Mesylate (also known as CA-4948) is a potent inhibitor of IRAK4 and FLT3, demonstrating antitumor activity. In cell lines of ABC DLBCL and AML, CA-4948 shows significant cellular activity. Moreover, it exhibits moderate to high selectivity in screening assays of 329 kinases and has impressive pharmacokinetic and pharmacodynamic profiles (ADME and PK), with good oral bioavailability in mice, rats, and dogs. In pertinent tumor models, CA-4948 achieves over 90% tumor growth inhibition and shows excellent correlation with in vivo PD modulation.
Targets(IC50)	Apoptosis,FLT,NF-κB,IRAK,MyD88

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7018 mL	8.509 mL	17.0181 mL
5 mM	0.3404 mL	1.7018 mL	3.4036 mL
10 mM	0.1702 mL	0.8509 mL	1.7018 mL
50 mM	0.034 mL	0.1702 mL	0.3404 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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