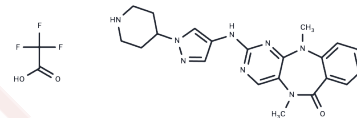


XMD-17-51 Trifluoroacetate

Chemical Properties

CAS No. :	2436579-93-8
Formula:	C ₂₃ H ₂₅ F ₃ N ₈ O ₃
Molecular Weight:	518.49
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	XMD-17-51 Trifluoroacetate is a pyrimido-diazepinone compound that regulates protein kinases.
Targets(IC50)	ERK,Others,Bcr-Abl,AMPK,Kinesin,PLK,Trk receptor
In vitro	XMD-17-51 Trifluoroacetate is a pyrimido-diazepinone compound proficient in modulating an extensive range of protein kinases, such as MPS1 (TTK), ERK5 (BMK1, MAPK7), various polo kinases, Ack1, Ack2, Abl and its mutants, DCAMKL1, ABL1, DCAMKL2, and many others including Bcr-Abl, GAK, cSrc, and Trk family proteins. This versatility renders it applicable in treating a diverse array of diseases, disorders, or conditions [1].

Solubility Information

Solubility	Ethanol: 8 mg/mL (15.43 mM),Sonication is recommended. H ₂ O: 2 mg/mL (3.86 mM),Sonication is recommended. DMSO: 80 mg/mL (154.29 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween-80+45% Saline: 3.3 mg/mL (6.36 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9287 mL	9.6434 mL	19.2868 mL
5 mM	0.3857 mL	1.9287 mL	3.8574 mL
10 mM	0.1929 mL	0.9643 mL	1.9287 mL
50 mM	0.0386 mL	0.1929 mL	0.3857 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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