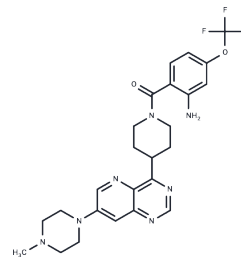


BAY885

Chemical Properties

CAS No. : 2307249-33-6
 Formula: C₂₅H₂₈F₃N₇O₂
 Molecular Weight: 515.53
 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	BAY885 is a new ERK5 inhibitor.
Targets(IC50)	ERK

Solubility Information

Solubility	DMSO: 16.67 mg/mL (32.34 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: 1 mg/mL (1.94 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	1.9398 mL	9.6988 mL	19.3975 mL
5 mM	0.388 mL	1.9398 mL	3.8795 mL
10 mM	0.194 mL	0.9699 mL	1.9398 mL
50 mM	0.0388 mL	0.194 mL	0.388 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.

Reference

Nguyen D, et al. Discovery and Characterization of the Potent and Highly Selective (Piperidin-4-yl)pyrido[3,2- d] pyrimidine Based in Vitro Probe BAY-885 for the Kinase ERK5. J Med Chem. 2019 Jan 24;62(2):928-940.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481