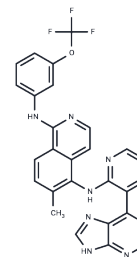


LUT014

Chemical Properties

CAS No. : 2274819-46-2
 Formula: C₂₇H₁₉F₃N₈O
 Molecular Weight: 528.49
 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	LUT014, a B-Raf inhibitor (IC ₅₀ : 11.7 nM), is developed to reduce dose-limiting acneiform lesions associated with EGFR inhibitors treatment.
Targets(IC ₅₀)	ERK,Raf,p38 MAPK

Solubility Information

Solubility	DMSO: 50 mg/mL (94.61 mM),Sonication is recommended. H ₂ O: < 0.1 mg/mL (insoluble), (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (3.78 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	1.8922 mL	9.4609 mL	18.9218 mL
5 mM	0.3784 mL	1.8922 mL	3.7844 mL
10 mM	0.1892 mL	0.9461 mL	1.8922 mL
50 mM	0.0378 mL	0.1892 mL	0.3784 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

Noa Shelach. Novel braf inhibitors and use there of for treatment of cutaneous reactions. WO2019026065A2.

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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