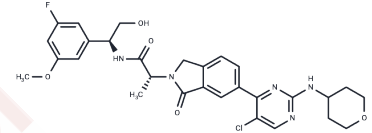


ERK1/2 inhibitor 2

Chemical Properties

CAS No. :	2095719-92-7
Formula:	C ₂₉ H ₃₁ ClFN ₅ O ₅
Molecular Weight:	584.04
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	ERK1/2 inhibitor 2 (ASTX029) is a selective and orally bioavailable extracellular signal-regulated kinases 1 and 2 (ERK 1/2) inhibitor, with potential antineoplastic activity.
Targets(IC50)	Apoptosis,ERK

Solubility Information

Solubility	DMSO: 150 mg/mL (256.83 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: 2.5 mg/mL (4.28 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	1.7122 mL	8.5611 mL	17.1221 mL
5 mM	0.3424 mL	1.7122 mL	3.4244 mL
10 mM	0.1712 mL	0.8561 mL	1.7122 mL
50 mM	0.0342 mL	0.1712 mL	0.3424 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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