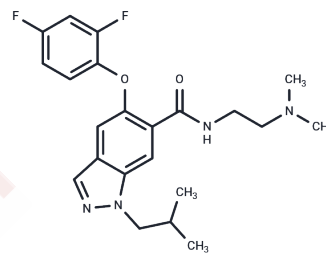


ARRY-797

Chemical Properties

CAS No. :	1034189-82-6
Formula:	C ₂₂ H ₂₆ F ₂ N ₄ O ₂
Molecular Weight:	416.46
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	ARRY-797 (ARRY-371797) is a potent and selective p38 α inhibitor and inhibits LPS-Induced IL-6.
Targets(IC50)	Autophagy,IL Receptor,p38 MAPK
In vivo	ARRY-797 inhibits the growth of RPMI-8226 Human Multiple Myeloma Cells. ARRY-371797 prevented left ventricular dilatation and deterioration of fractional shortening compared with placebo-treated mice[2].

Solubility Information

Solubility	DMSO: 55 mg/mL (132.07 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 mg/mL (4.8 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	2.4012 mL	12.006 mL	24.0119 mL
5 mM	0.4802 mL	2.4012 mL	4.8024 mL
10 mM	0.2401 mL	1.2006 mL	2.4012 mL
50 mM	0.048 mL	0.2401 mL	0.4802 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

- Muchir A, et al. Abnormal p38 α mitogen-activated protein kinase signaling in dilated cardiomyopathy caused by lamin A/C gene mutation. *Hum Mol Genet.* 2012 Oct 1;21(19):4325-33.
- Carter D, et al. Delayed topical p38 MAPK inhibition attenuates full-thickness burn wound inflammatory signaling. *J Burn Care Res.* 2014 Mar-Apr;35(2):e83-92.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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