## AL 8697

Cat. No.:	HY-108645		
CAS No.:	1057394-06	-5	
Molecular Formula:	C <sub>21</sub> H <sub>21</sub> F <sub>3</sub> N <sub>4</sub> O		
Molecular Weight:	402.41		
Target:	p38 MAPK; /	Autophag	У
Pathway:	MAPK/ERK I	Pathway;	Autophagy
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month

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## SOLVENT & SOLUBILITY

Preparing Stock Solutions Please refer to the		Solvent Mass Concentration	1 mg	5 mg	10 mg
		1 mM	2.4850 mL	12.4251 mL	24.8503 mL
		5 mM	0.4970 mL	2.4850 mL	4.9701 mL
		10 mM	0.2485 mL	1.2425 mL	2.4850 mL
	Please refer to the so	solubility information to select the appropriate solvent.			
In Vivo		one by one: 10% DMSO >> 40% PEC (mL (6.21 mM); Suspended solution;		0 >> 45% saline	
		one by one: 10% DMSO >> 90% cor g/mL (6.21 mM); Clear solution	n oil		

BIOLOGICAL ACTIV	ИТҮ	
Description		y active p38α MAPK inhibitor with an IC <sub>50</sub> of 6 nM. AL 8697 displays 14-fold greater inhibition of =82 nM), and 300-fold selectivity for p38α over a panel of 91 kinases. Anti-inflammatory activity
IC₅₀ & Target	p38α 6 nM (IC <sub>50</sub> )	p38β 82 nM (IC <sub>50</sub> )
In Vivo		ce daily for 10 days) dose-dependently decreases the oedema in right and left paws <sup>[1]</sup> . onfirmed the accuracy of these methods. They are for reference only.

## Product Data Sheet

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Animal Model:	Male Wistar rats <sup>[1]</sup>
Dosage:	1, 3, 10, 30 mg/kg
Administration:	Oral gavage; once daily for 10 days
Result:	Dose-dependently decreased the oedema in right and left paws, causing a larger
	improvement in the contralateral un-injected paw.

## REFERENCES

[1]. Balagué C, et al. Profiling of dihydroorotate dehydrogenase, p38 and JAK inhibitors in the rat adjuvant-induced arthritis model: a translational study. Br J Pharmacol. 2012 Jun;166(4):1320-32.

Caution: Product has not been fully validated for medical applications. For research use only.

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