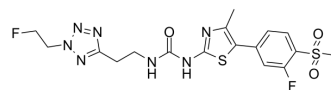


## NVP-QAV-572

Cat. No.:	HY-16355		
CAS No.:	957209-68-6		
Molecular Formula:	C <sub>17</sub> H <sub>19</sub> F <sub>2</sub> N <sub>7</sub> O <sub>3</sub> S <sub>2</sub>		
Molecular Weight:	471.5		
Target:	PI3K		
Pathway:	PI3K/Akt/mTOR		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 125 mg/mL (265.11 mM; Need ultrasonic)					
		Solvent Concentration	Mass	1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM		2.1209 mL	10.6045 mL	21.2089 mL
		5 mM		0.4242 mL	2.1209 mL	4.2418 mL
		10 mM		0.2121 mL	1.0604 mL	2.1209 mL
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (4.41 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (4.41 mM); Clear solution					

### BIOLOGICAL ACTIVITY

Description	NVP-QAV-572 is a PI3K inhibitor extracted from patent US7998990B2, Compound Example 8, has an IC <sub>50</sub> of 10 nM.
IC <sub>50</sub> & Target	PI3K 10 nM (IC <sub>50</sub> )
In Vitro	NVP-QAV-572 (Example 8) is useful in the treatment of conditions which are mediated by the activation of the Pi3 kinase enzymes, particularly inflammatory or allergic conditions <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

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## REFERENCES

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[1]. Emma Budd, et al. 5-phenyl-thiazol-2-yl-urea derivatives and use as PI3 kinase inhibitors. US 7998990 B2.

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

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