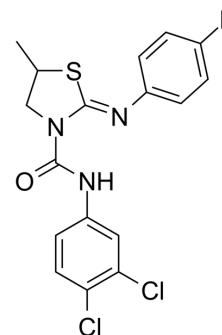


## JR-AB2-011

Cat. No.:	HY-122022
CAS No.:	2411853-34-2
Molecular Formula:	C <sub>17</sub> H <sub>14</sub> Cl <sub>2</sub> FN <sub>3</sub> OS
Molecular Weight:	398.28
Target:	mTOR
Pathway:	PI3K/Akt/mTOR
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 62.5 mg/mL (156.92 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	2.5108 mL	12.5540 mL	25.1080 mL
				5 mM	0.5022 mL	2.5108 mL	5.0216 mL
				10 mM	0.2511 mL	1.2554 mL	2.5108 mL
Please refer to the solubility information to select the appropriate solvent.							
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.08 mg/mL (5.22 mM); Clear solution						
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (5.22 mM); Clear solution						

### BIOLOGICAL ACTIVITY

Description	JR-AB2-011 is a selective mTORC2 inhibitor with an IC <sub>50</sub> value of 0.36 μM. JR-AB2-011 inhibits mTORC2 activity by blocking Rictor-mTOR association (K <sub>i</sub> : 0.19 μM) <sup>[1]</sup> .
IC <sub>50</sub> & Target	mTORC2 0.36 μM (IC <sub>50</sub> )

### CUSTOMER VALIDATION

- Sci Immunol. 2022 Jan 21;7(67):eabj5501.

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- J Exp Med. 2023 Oct 2;220(10):e20222056.
  - Pharmacol Res. 2021 Jul 31;105796.
  - Cell Death Dis. 2022 Feb 3;13(2):107.
  - Int J Mol Sci. 2021 Apr 21;22(9):4322.

See more customer validations on [www.MedChemExpress.com](http://www.MedChemExpress.com)

## REFERENCES

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[1]. Zhang A, et al. CCL17 exerts neuroprotection through activation of CCR4/mTORC2 axis in microglia after subarachnoid haemorrhage in rats. Stroke Vasc Neurol. 2022 Jul 26;8(1):4-16.

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

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