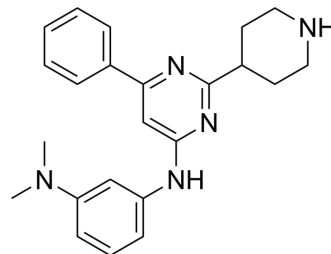


## ARN22089

Cat. No.:	HY-149464		
CAS No.:	2248691-29-2		
Molecular Formula:	C <sub>23</sub> H <sub>27</sub> N <sub>5</sub>		
Molecular Weight:	373.49		
Target:	Ras		
Pathway:	GPCR/G Protein; MAPK/ERK Pathway		
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 : 100 mg/mL (267.74 mM; ultrasonic and warming and heat to 60°C)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	2.6774 mL	13.3872 mL	26.7745 mL
5 mM	0.5355 mL	2.6774 mL	5.3549 mL
10 mM	0.2677 mL	1.3387 mL	2.6774 mL

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

ARN22089 is a oral active novel class of trisubstituted pyrimidine, blocks the interaction of CDC42 GTPases with specific downstream effectors. ARN22089 blocks tumor growth in BRAF mutant mouse melanoma model<sup>[1]</sup>.

### REFERENCES

[1]. Brindani N, et al. Design, Synthesis, In Vitro and In Vivo Characterization of CDC42 GTPase Interaction Inhibitors for the Treatment of Cancer. J Med Chem. 2023;66(8):5981-6001.

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

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