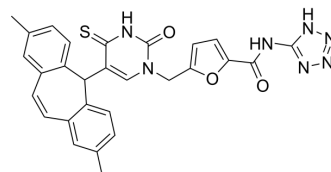


## AR-C118925XX

Cat. No.:	HY-110126
CAS No.:	216657-60-2
Molecular Formula:	C <sub>28</sub> H <sub>23</sub> N <sub>7</sub> O <sub>3</sub> S
Molecular Weight:	537.59
Target:	P2Y Receptor
Pathway:	GPCR/G Protein
Storage:	-20°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 100 mg/mL (186.02 mM; Need ultrasonic and warming)

Concentration	Mass			
	1 mg	5 mg	10 mg	
1 mM	1.8602 mL	9.3008 mL	18.6015 mL	
5 mM	0.3720 mL	1.8602 mL	3.7203 mL	
10 mM	0.1860 mL	0.9301 mL	1.8602 mL	

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

### BIOLOGICAL ACTIVITY

#### Description

AR-C118925XX is a selective P2Y2 receptor antagonist. AR-C118925XX inhibits ATP-induced IL-6 production and phosphorylation of p38. AR-C118925XX also inhibits Bleomycin (HY-108345)-induced dermal fibrosis in mice. AR-C118925XX also inhibits ATP-induced tumor growth<sup>[1][2]</sup>.

#### IC<sub>50</sub> & Target

P2Y2 Receptor

#### In Vivo

AR-C118925XX (i.p.) suppresses Bleomycin-enhanced dermal thickness in mice<sup>[1]</sup>.  
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### CUSTOMER VALIDATION

- Am J Physiol Cell Physiol. 2023 Sep 18.

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

---

## REFERENCES

---

- [1]. Perera LMB, et al. The Regulation of Skin Fibrosis in Systemic Sclerosis by Extracellular ATP via P2Y2 Purinergic Receptor. J Invest Dermatol. 2019 Apr;139(4):890-899.
- [2]. Dong CR, et al. AKT/GSK-3beta/VEGF signaling is involved in P2RY2 activation-induced the proliferation and metastasis of gastric cancer. Carcinogenesis. 2022 Dec 5:bgac095.
- 

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA