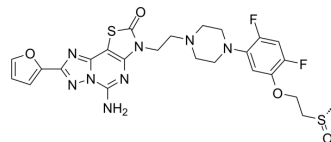


## Inupadenant

Cat. No.:	HY-137442		
CAS No.:	2246607-08-7		
Molecular Formula:	C <sub>25</sub> H <sub>26</sub> F <sub>2</sub> N <sub>8</sub> O <sub>4</sub> S <sub>2</sub>		
Molecular Weight:	604.65		
Target:	Adenosine Receptor		
Pathway:	GPCR/G Protein		
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 : 25 mg/mL (41.35 mM; Need ultrasonic)					
		Solvent Concentration	Mass	1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM		1.6538 mL	8.2692 mL	16.5385 mL
		5 mM		0.3308 mL	1.6538 mL	3.3077 mL
10 mM			0.1654 mL	0.8269 mL	1.6538 mL	
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (4.13 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.22 mg/mL (3.67 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.22 mg/mL (3.67 mM); Clear solution					

### BIOLOGICAL ACTIVITY

Description	Inupadenant is an orally active, highly selective A <sub>2A</sub> receptor antagonist. Inupadenant is not brain-penetrant. Inupadenant has potent anti-tumor activity <sup>[1]</sup> .
IC <sub>50</sub> & Target	A <sub>2A</sub> receptor <sup>[1]</sup>

### CUSTOMER VALIDATION

- 
- Patent. US20230159541A1.

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

## REFERENCES

---

[1]. Laurence Buisseret, et al. Phase 1 trial of the adenosine A2A receptor antagonist inupadenant (EOS-850): Update on tolerability, and antitumor activity potentially associated with the expression of the A2A receptor within the tumor. Journal of Clinical Onc

---

**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