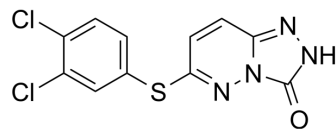


## Carboxylesterase-IN-3

Cat. No.:	HY-142689		
CAS No.:	2764748-92-5		
Molecular Formula:	C <sub>11</sub> H <sub>6</sub> Cl <sub>2</sub> N <sub>4</sub> OS		
Molecular Weight:	313.16		
Target:	Wnt		
Pathway:	Stem Cell/Wnt		
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 (319.33 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	3.1933 mL	15.9663 mL	31.9326 mL
5 mM	0.6387 mL	3.1933 mL	6.3865 mL
10 mM	0.3193 mL	1.5966 mL	3.1933 mL

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

### BIOLOGICAL ACTIVITY

#### Description

Carboxylesterase-IN-3 (compound 4y) is a potent inhibitor of Carboxylesterase Notum with an IC<sub>50</sub> less than or equal to 10 nM. Notum is a negative regulator of Wnt signaling acting through the hydrolysis of a palmitoleoylate ester, which is required for Wnt activity. Carboxylesterase-IN-3 has the potential for the research of cancer disease<sup>[1]</sup>.

### REFERENCES

[1]. Steadman D, et al. Virtual Screening Directly Identifies New Fragment-Sized Inhibitors of Carboxylesterase Notum with Nanomolar Activity. *J Med Chem.* 2022;65(1):562-578.

---

**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