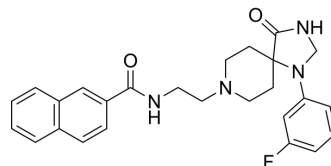


## VU0364739

Cat. No.:	HY-150412		
CAS No.:	1244639-78-8		
Molecular Formula:	C <sub>26</sub> H <sub>27</sub> FN <sub>4</sub> O <sub>2</sub>		
Molecular Weight:	446.52		
Target:	Phospholipase		
Pathway:	Metabolic Enzyme/Protease		
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 : 200 mg/mL (447.91 mM; Need ultrasonic)

Concentration	Mass			
	1 mg	5 mg	10 mg	
1 mM	2.2395 mL	11.1977 mL	22.3954 mL	
5 mM	0.4479 mL	2.2395 mL	4.4791 mL	
10 mM	0.2240 mL	1.1198 mL	2.2395 mL	

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

### BIOLOGICAL ACTIVITY

**Description** VU0364739 is a selective PLD2 inhibitor (IC<sub>50</sub>: 22 nM). VU0364739 decreases cancer cell proliferation<sup>[1]</sup>.

**IC<sub>50</sub> & Target** PLD<sup>[1]</sup>

### REFERENCES

[1]. Lavieri RR, et al. Design, synthesis, and biological evaluation of halogenated N-(2-(4-oxo-1-phenyl-1,3,8-triazaspiro[4.5]decan-8-yl)ethyl)benzamides: discovery of an isoform-selective small molecule phospholipase D2 inhibitor. J Med Chem. 2010 Sep 23;53(18):6706-19.

---

**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