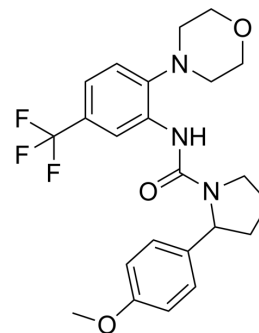


## ZINC40099027

<b>Cat. No.:</b>	HY-134570		
<b>CAS No.:</b>	1211825-25-0		
<b>Molecular Formula:</b>	C <sub>23</sub> H <sub>26</sub> F <sub>3</sub> N <sub>3</sub> O <sub>3</sub>		
<b>Molecular Weight:</b>	449.47		
<b>Target:</b>	FAK		
<b>Pathway:</b>	Protein Tyrosine Kinase/RTK		
<b>Storage:</b>	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 (222.48 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	2.2248 mL	11.1242 mL	22.2484 mL
5 mM	0.4450 mL	2.2248 mL	4.4497 mL
10 mM	0.2225 mL	1.1124 mL	2.2248 mL

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

#### In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline  
Solubility: 2.5 mg/mL (5.56 mM); Clear solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: 2.5 mg/mL (5.56 mM); Clear solution; Need ultrasonic

### BIOLOGICAL ACTIVITY

#### Description

ZINC40099027 is a FAK activator. ZINC40099027 promotes FAK phosphorylation, inducing mucosal healing in murine models. ZINC40099027 can be used for Gastroduodenal ulcer disease research<sup>[1]</sup>.

### REFERENCES

- [1]. Wang Q, et al. Discovery of Novel Small-Molecule FAK Activators Promoting Mucosal Healing. ACS Med Chem Lett. 2021 Feb 16;12(3):356-364.

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

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