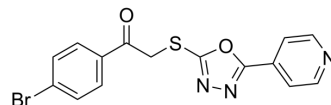


## FAK-IN-10

Cat. No.:	HY-153697		
CAS No.:	491839-65-7		
Molecular Formula:	C <sub>15</sub> H <sub>10</sub> BrN <sub>3</sub> O <sub>2</sub> S		
Molecular Weight:	376.23		
Target:	FAK		
Pathway:	Protein Tyrosine Kinase/RTK		
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 : 20 mg/mL (53.16 mM; ultrasonic and warming and heat to 60°C)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	2.6579 mL	13.2897 mL	26.5795 mL
5 mM	0.5316 mL	2.6579 mL	5.3159 mL
10 mM	0.2658 mL	1.3290 mL	2.6579 mL

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

## BIOLOGICAL ACTIVITY

### Description

FAK-IN-10 is an inhibitor of FAK with an IC<sub>50</sub> of 76.3 μM. FAK-IN-10 exhibits antitumor activity against MCF-7 and A431 cell lines with IC<sub>50</sub>s of 4.23 and 0.78 μM, respectively<sup>[1]</sup>.

## REFERENCES

[1]. Zhang LR, et al. Synthesis, biological evaluation and molecular docking studies of novel 2-(1,3,4-oxadiazol-2-ylthio)-1-phenylethanone derivatives. *Bioorg Med Chem.* 2012 Jun 1;20(11):3615-21.

**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

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