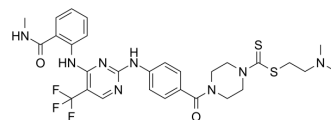


FAK inhibitor 2

Cat. No.:	HY-128580
CAS No.:	2354405-14-2
Molecular Formula:	C ₂₉ H ₃₃ F ₃ N ₈ O ₂ S ₂
Molecular Weight:	646.75
Target:	FAK
Pathway:	Protein Tyrosine Kinase/RTK
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (154.62 mM; ultrasonic and warming and heat to 60°C)																			
Preparing Stock Solutions	<table border="1"> <thead> <tr> <th rowspan="2">Solvent Concentration</th> <th colspan="3">Mass</th> </tr> <tr> <th>1 mg</th> <th>5 mg</th> <th>10 mg</th> </tr> </thead> <tbody> <tr> <td>1 mM</td> <td>1.5462 mL</td> <td>7.7310 mL</td> <td>15.4619 mL</td> </tr> <tr> <td>5 mM</td> <td>0.3092 mL</td> <td>1.5462 mL</td> <td>3.0924 mL</td> </tr> <tr> <td>10 mM</td> <td>0.1546 mL</td> <td>0.7731 mL</td> <td>1.5462 mL</td> </tr> </tbody> </table>	Solvent Concentration	Mass			1 mg	5 mg	10 mg	1 mM	1.5462 mL	7.7310 mL	15.4619 mL	5 mM	0.3092 mL	1.5462 mL	3.0924 mL	10 mM	0.1546 mL	0.7731 mL	1.5462 mL
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Please refer to the solubility information to select the appropriate solvent.																				
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (3.87 mM); Clear solution																			

BIOLOGICAL ACTIVITY

Description	FAK inhibitor 2 is a potent focal adhesion kinase (FAK) inhibitor with an IC ₅₀ of 0.07 nM, with antitumor and anti-angiogenesis activities ^[1] .
IC ₅₀ & Target	IC ₅₀ : 0.07 nM (FAK) ^[1]

CUSTOMER VALIDATION

- J Pharm Pharmacol. 2021 Mar 13.

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REFERENCES

[1]. Su Y, et al. Discovery of 2,4-diarylamino pyrimidine derivatives bearing dithiocarbamate moiety as novel FAK inhibitors with antitumor and anti-angiogenesis activities. Eur J Med Chem. 2019 May 18;177:32-46.

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