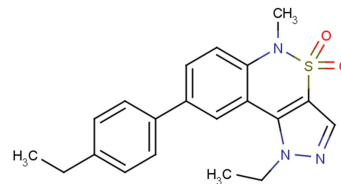


FAK inhibitor 5

Chemical Properties

CAS No.:	1426683-30-8
Formula:	C ₂₀ H ₂₁ N ₃ O ₂ S
Molecular Weight:	367.46
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	FAK inhibitor 5 is a novel allosteric FAK inhibitor, with IC ₅₀ values in the low micromolar range.
Targets(IC ₅₀)	pre-incubation 5 min ATP 0.5 μM: 1.6 μM pre-incubation 60 min ATP 0.5 μM: 1.3 μM pre-incubation 5 min ATP 1000 μM: 3.0 μM pre-incubation 60 min ATP 1000 μM: 1.0 μM
In vitro	The binding interactions between FAK inhibitor 5 in the FAK allosteric site is mostly hydrophobic in nature. Exposure of the allosteric pocket by the dramatic movement of Ile547 is accompanied by an equally significant movement of Arg550 in toward the allosteric binding site, where it packs along the tricyclic core of compounds 2.

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.721 mL	13.607 mL	27.214 mL
5 mM	0.544 mL	2.721 mL	5.443 mL
10 mM	0.272 mL	1.361 mL	2.721 mL
50 mM	0.054 mL	0.272 mL	0.544 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Iwatani M, et al. Discovery and characterization of novel allosteric FAK inhibitors. Eur J Med Chem. 2013 Mar;61:49-60.

Inhibitors · Natural Compounds · Compound Libraries

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