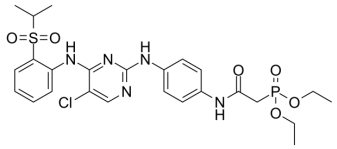
FAK-IN-6

Cat. No.:	HY-150730
CAS No.:	3033299-38-3
Molecular Formula:	$C_{25}H_{31}ClN_5O_6PS$
Molecular Weight:	596.04
Target:	FAK
Pathway:	Protein Tyrosine Kinase/RTK
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	FAK-IN-6 is a potent FAK inhibitor with an IC_{50} value of 1.415 nM. FAK-IN-6 has anti-proliferative activity against certain cancer cell lines. FAK-IN-6 can be used for researching pancreatic cancer[1].
IC_{50} & Target	IC_{50}: 1.415 nM (FAK)[1]
In Vitro	FAK-IN-6 (compound 9h) (0-10 μM; 72 h) has anti-proliferative activity against pancreatic cancer cells, lung cancer cells and lymphoma cells[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

Cell Proliferation Assay[1]

Cell Line:	AsPC-1, PaCa-2, H1975, KM3/BTZ, Raji and L-02[1]
Concentration:	0-10 μM
Incubation Time:	72 h
Result:	Exhibited anti-proliferative activity against AsPC-1, PaCa-2, H1975, KM3/BTZ, Raji and L-02 with IC_{50}s of 0.9886 ± 0.0086 μM, 5.274 ± 0.9312 μM, 2.918 ± 0.0821 μM, 2.315 ± 0.2969 μM, 1.320 ± 0.2973 μM and 1.220 ± 0.2683 μM.

REFERENCES

[1]. Zheng X, et al. Design, synthesis and activity evaluation of isopropylsulfonyl-substituted 2,4- diarylaminopyrimidine derivatives as FAK inhibitors for the potential treatment of pancreatic cancer. Eur J Med Chem. 2022 Jul 19;241:114607.

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

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