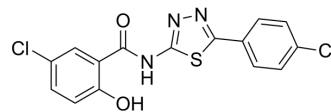


FAK-IN-8

Cat. No.:	HY-148110
CAS No.:	1374959-91-7
Molecular Formula:	C ₁₅ H ₉ Cl ₂ N ₃ O ₂ S
Molecular Weight:	366.22
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-8 (compound 5h) is a FAK inhibitor (IC ₅₀ =5.32 μM). FAK-IN-8 has good anti-proliferative activity and can be used in cancer research ^[1] .	
IC₅₀ & Target	FAK 5.32 μM (IC ₅₀)	
In Vitro	FAK-IN-8 (0-10 μM; 48 h) inhibits MCF-7 and B16-F10 cells proliferation ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only. Cell Proliferation Assay ^[1]	
	Cell Line:	MCF-7 and B16-F10 cells
	Concentration:	0-10 μM
	Incubation Time:	48 h
	Result:	Exhibited anti-proliferative activity against MCF-7 and B16-F10 cells with IC ₅₀ values of 3.57 and 3.52 μM, respectively.

REFERENCES

[1]. Yang XH, et al. Synthesis, biological evaluation, and molecular docking studies of 1,3,4-thiadiazol-2-amide derivatives as novel anticancer agents. *Bioorg Med Chem.* 2012 May 1;20(9):2789-95.

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

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