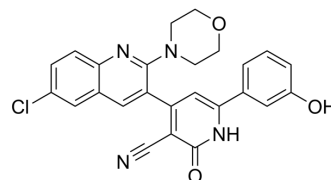


Pim-1/2 kinase inhibitor 2

Cat. No.:	HY-157404
CAS No.:	2918764-16-4
Molecular Formula:	C ₂₅ H ₁₉ ClN ₄ O ₃
Molecular Weight:	458.9
Target:	Pim
Pathway:	JAK/STAT Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Pim-1/2 kinase inhibitor 2 (compound 5b) is a competitive PIM-1 and PIM-2 kinase inhibitor with IC ₅₀ s of 1.31 μM and 0.67 μM, respectively. Pim-1/2 kinase inhibitor 2 shows in-vitro low cytotoxicity against normal human lung fibroblast Wi-38 cell line and potent in-vitro anticancer activity against myeloid leukaemia (NFS-60), liver (HepG-2), prostate (PC-3), and colon (Caco-2) cancer cell lines ^[1] .	
IC ₅₀ & Target	PIM1 1.31 μM (IC ₅₀)	PIM2 0.67 μM (IC ₅₀)

REFERENCES

[1]. Mostafa M M El-Miligy, et al. Discovery of new pyridine-quinoline hybrids as competitive and non-competitive PIM-1 kinase inhibitors with apoptosis induction and caspase 3/7 activation capabilities. J Enzyme Inhib Med Chem. 2023 Dec;38(1):2152810.

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

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