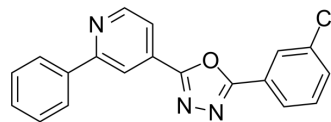


Pim-1 kinase inhibitor 4

Cat. No.:	HY-149976
Molecular Formula:	C ₁₉ H ₁₂ ClN ₃ O
Molecular Weight:	333.77
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 kinase inhibitor 4 (Compound 10f) is a Pim-1 kinase inhibitor (IC₅₀: 17.01 nM). Pim-1 kinase inhibitor 4 also has antioxidant activity and inhibits DPPH. Pim-1 kinase inhibitor 4 induces apoptosis in PC-3 cell, and inhibits PC-3 cell growth with an IC₅₀ of 16 nM. Pim-1 kinase inhibitor 4 can be used for research of prostate cancer^[1].

REFERENCES

[1]. Castanet AS, et al. Discovery of PIM-1 kinase inhibitors based on the 2,5-disubstituted 1,3,4-oxadiazole scaffold against prostate cancer: Design, synthesis, in vitro and in vivo cytotoxicity investigation. *Eur J Med Chem.* 2023 Mar 15;250:115220.

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

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