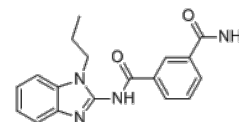


Product Name : Takinib
Cat. No. : PC-61197
CAS No. : 1111556-37-6
Molecular Formula : C₁₈H₁₈N₄O₂
Molecular Weight : 322.368
Target : TAK1
Solubility : 10 mM in DMSO



Biological Activity

Takinib is a potent, selective **TAK1** inhibitor with IC₅₀ of 9.5 nM, selectively induces apoptosis following TNF- α stimulation. Takinib weakly inhibits IRAK4, IRAK1, GCK, CLK2, and MINK1 with IC₅₀ of 120-430 nM against the MRC Dundee kinase panel.

Takinib does not inhibit any of the MAP2Ks or MAP3Ks family members.

Takinib inhibits phosphorylation of IKK, MAPK 8/9, and c-Jun, induces apoptosis in RA fibroblast-like synoviocytes and reduces IL-6 secretion, induces TNF- α -dependent cell death in rheumatoid arthritis and breast cancer cells.

References

Totzke J, et al. *Cell Chem Biol.* 2017 Aug 17;24(8):1029-1039.e7.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

E-mail: tech@probechem.com