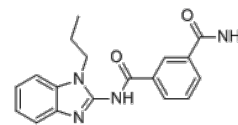


**Product Name** : Takinib  
**Cat. No.** : PC-61197  
**CAS No.** : 1111556-37-6  
**Molecular Formula** : C<sub>18</sub>H<sub>18</sub>N<sub>4</sub>O<sub>2</sub>  
**Molecular Weight** : 322.368  
**Target** : TAK1  
**Solubility** : 10 mM in DMSO



### Biological Activity

Takinib (EDHS-206) is a potent, selective **TAK1** inhibitor with IC<sub>50</sub> of 9.5 nM, selectively induces apoptosis following TNF-α stimulation.

Takinib weakly inhibits IRAK4, IRAK1, GCK, CLK2, and MINK1 with IC<sub>50</sub> 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