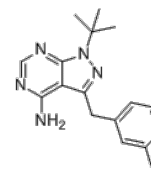


Product Name : 3-MB-PP1
Cat. No. : PC-20791
CAS No. : 956025-83-5
Molecular Formula : C₁₇H₂₁N₅
Molecular Weight : 295.39
Target : Syk
Solubility : 10 mM in DMSO



Biological Activity

3-MB-PP1 is specific inhibitor of analogue-sensitive **ZAP70** (ZAP-70(AS)), does not affect Lck or Tec kinase activity, specifically targets ZAP-70AS-dependent events.

3-MB-PP1 selectively shows sensitivity against the cells expressing the ZAP-70AS alleles.

3-MB-PP1 treatment (6 μ M) blocked TCR-mediated signaling in both ZAP-70AS1 and ZAP-70AS2 stably transfected cells, with only a negligible effect on ZAP-70WT cells.

3-MB-PP1 effectively blocked calcium responses, inhibited almost all NFAT-driven luciferase activity, suppressed superantigen-mediated IL-2 induction.

References

Au-Yeung BB, et al. *Nat Immunol.* 2010 Dec;11(12):1085-92.

Levin SE, et al. *J Biol Chem.* 2008;283:15419–15430.

Nicole M L Wong, et al. *ACS Synth Biol.* 2018 Apr 20;7(4):969-977.

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

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