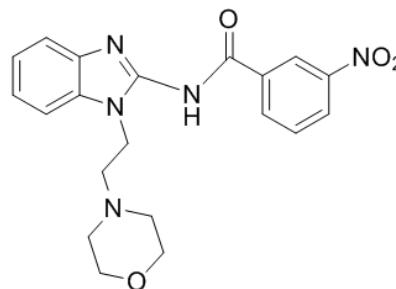


Product Name : IRAK-1-4 Inhibitor I
Cat. No. : PC-43498
CAS No. : 509093-47-4
Molecular Formula : C₂₀H₂₁N₅O₄
Molecular Weight : 395.41
Target : IRAK
Solubility : 10 mM in DMSO



Biological Activity

IRAK-1-4 Inhibitor I is a potent, dual inhibitor of **IRAK4** and **IRAK1** with IC₅₀ of 0.2 μ M and 0.3 μ M, respectively. IRAK-1-4 Inhibitor I displays IC₅₀ of >10 μ M against a panel of 27 other kinases, including the most closely homologous (outside of the IRAK family) Lck and pp60SRC. IRAK-1-4 Inhibitor I eliminates the LPS-induced increases in Bcl10, NF- κ B, and IL-8 in human intestinal epithelial cells.

References

Powers JP, et al. *Bioorg Med Chem Lett*. 2006 Jun 1;16(11):2842-5.

Bhattacharyya S, et al. *Am J Physiol Gastrointest Liver Physiol*. 2007 Aug;293(2):G429-37.

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

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