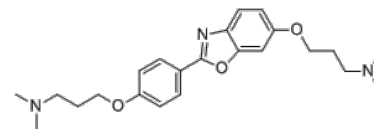


Product Name : AT791
Cat. No. : PC-62231
CAS No. : 1219962-49-8
Molecular Formula : C₂₃H₃₁N₃O₃
Molecular Weight : 397.519
Target : Toll-like Receptor (TLR)
Solubility : 10 mM in DMSO



Biological Activity

AT791 is a novel orally available, small molecule inhibitor of **TLR7** and **TLR9** with IC₅₀ of 3.33 μM and 0.04 μM respectively, inhibits DNA-TLR9 interaction in vitro.

AT791 shows weak activity against TLR4 (IC₅₀>10 μM).

AT791 potently inhibits IL-6 production induced by CpG2216 and suppresses both IL-6 and α-interferon production induced by CpG oligo.

References

Lamphier M, et al. *Mol Pharmacol*. 2014 Mar;85(3):429-40.

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

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