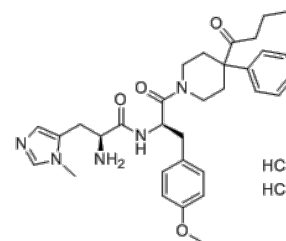


Product Name : BMS-470539 dihydrochloride
Cat. No. : PC-60215
CAS No. : 2341796-82-3
Molecular Formula : C₃₂H₄₃Cl₂N₅O₄
Molecular Weight : 632.63
Target : Melanocortin Receptor
Solubility : 10 mM in DMSO



CAS: 2341796-82-3

Biological Activity

BMS-470539 dihydrochloride is a potent, selective, full agonist of human and murine **melanocortin-1 receptor (MC-1R)** with EC₅₀ of 16.8 and 11.6 nM, respectively.

BMS-470539 dose-dependently inhibits TNFα-induced activation of a NF-kappaB transcriptional reporter in human melanoma cells.

BMS-470539 inhibits LPS-induced TNFα production in BALB/c mice (EC₅₀=10 uM/kg).

BMS-470539 inhibits leucocyte trafficking in the inflamed vasculature.

References

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Leoni G, et al. *Br J Pharmacol.* 2010 May;160(1):171-80.

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Herpin TF, et al. *J Med Chem.* 2003 Mar 27;46(7):1123-6.

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

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