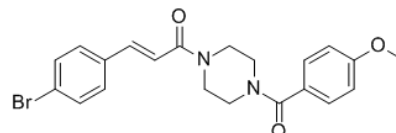


Product Name : NIBR189
Cat. No. : PC-42985
CAS No. : 1599432-08-2
Molecular Formula : C₂₁H₂₁BrN₂O₃
Molecular Weight : 429.307
Target : GPR183 (EBI2)
Solubility : DMSO: ≥ 47 mg/mL



Biological Activity

NIBR189 is a potent and selective EBI2 (**GPR183**) antagonist with IC₅₀ of 11 and 15 nM for hEBI2 and mEBI2, respectively. NIBR189 does not show any activity against a panel of other GPCRs, transporters, and enzymes at 30 μM. NIBR189 blocks oxysterol-dependent activation with IC₅₀ of 9 nM, inhibits cell migration of U937 cells with IC₅₀ of 0.3 nM. NIBR189 inhibits LPS-stimulated mouse astrocytes induced macrophage migration, inhibits the effects of 7α25HC in human astrocytes.

References

- Gessier F, et al. *J Med Chem.* 2014 Apr 24;57(8):3358-68.
Rutkowska A, et al. *Sci Rep.* 2016 May 11;6:25520.
Rutkowska A, et al. *Neuropharmacology.* 2018 May 1;133:121-128.

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

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