

## **Data Sheet**

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 Product Name
 :
 NIBR189

 Cat. No.
 :
 PC-42985

 CAS No.
 :
 1599432-08-2

 Molecular Formula
 :
  $C_{21}H_{21}BrN_2O_3$  

 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 uM. 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 induceed macrophage migration, inhibits the effects of  $7\alpha25$ HC 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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