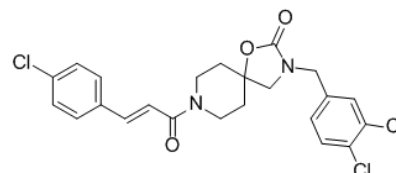


Product Name : GSK682753A
Cat. No. : PC-42332
CAS No. : 1334294-76-6
Molecular Formula : C₂₃H₂₁Cl₃N₂O₃
Molecular Weight : 479.78344
Target : GPR183 (EBI2)
Solubility : DMSO: ≥ 27 mg/mL



Biological Activity

GSK682753A (GSK 682753A, GSK-682753A) is a potent, selective **EBI-2 (GPR183)** inhibitor with IC₅₀ of 53.6 nM. GSK682753A displays high selectivity over other constitutively active receptors, including GPR39, the ghrelin receptor, GPR17, MC1R, and ORF74.

GSK682753A does not affect the cell surface expression of EBI2 in HEK293 cells.

GSK682753A dose-dependently suppresses the inhibition of forskolin-stimulated cAMP accumulation mediated by EBI2 with IC₅₀ of 10.9 nM, inhibits EBI2-mediated ERK phosphorylation with IC₅₀ of 76 nM.

GSK682753A inhibits the antibody-induced proliferation of murine WT B cells.

References

Bened-Jensen T, et al. *J Biol Chem*. 2011 Aug 19;286(33):29292-302.

Bened-Jensen T, et al. *FEBS Open Bio*. 2013 Feb 19;3:156-60.

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

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