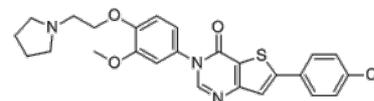


Product Name : GW803430
Cat. No. : PC-61120
CAS No. : 515141-51-2
Molecular Formula : C₂₅H₂₄ClN₃O₃S
Molecular Weight : 481.995
Target :
Solubility : 10 mM in DMSO



Biological Activity

GW803430 (GW-803430) is a potent, specific, orally active melanin concentrating hormone receptor 1 (**MCHR1**) inhibitor with *K_i* of 3.8 nM, >100-fold selectivity over a battery of GPCRs, ion channels and enzymes. GW803430 produces robust antidepressant-like response in mice (0.3 and 1 mg/kg p.o.). GW803430 also significantly reduces submissive behaviors and shows anxiolytic-like effects in vivo.

References

- Gehlert DR, et al. *J Pharmacol Exp Ther*. 2009 May;329(2):429-38.
Cippitelli A, et al. *Psychopharmacology (Berl)*. 2010 Sep;211(4):367-75.
Zhang LN, et al. *Obesity (Silver Spring)*. 2014 Mar;22(3):681-90.
Hertzog DL, et al. *Bioorg Med Chem Lett*. 2006 Sep 15;16(18):4723-7.

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

E-mail: tech@probechem.com