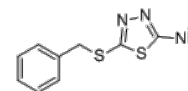


Product Name : MS21570
Cat. No. : PC-49001
CAS No. : 65373-29-7
Molecular Formula : C₁₀H₁₁N₃S₂
Molecular Weight : 237.35
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

MS 21570 (MS0021570) is a small molecule antagonist of **GPR171**, antagonizes MS0015203 (Cat#PC-47110)-mediated increases in [³⁵S]GTPγS binding in rat hypothalamic membranes (EC₅₀ = 0.6 nM).

MS 21570 blocked BigLEN-mediated activation of GPR171 in heterologous cells.

MS 21570 inhibited BigLEN-mediated hyperpolarization of BLA pyramidal neurons.

MS 21570 inhibited feeding induced by DREADD-mediated activation of BigLEN containing AgRP neurons in the arcuate nucleus.

MS 21570 significantly attenuated BigLEN-mediated decreases in intracellular cAMP levels.

MS 21570 (5 mg/kg, i.p) decreases anxiety-like behaviors, but not depression and fear in vivo.

References

Erin N Bobeck, et al. *Neuropsychopharmacology*. 2017 Dec;42(13):2527-2536.

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

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