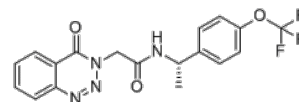


Product Name : TAK-041
Cat. No. : PC-72146
CAS No. : 1929519-13-0
Molecular Formula : C₁₈H₁₅F₃N₄O₃
Molecular Weight : 392.338
Target : GPR139
Solubility : 10 mM in DMSO



Biological Activity

TAK-041 (Zelatriazin, NBI-1065846) is a potent, selective, brain-penetrant **GPR139** agonist with EC₅₀ of 22 nM (CHO-T-REX Ca²⁺ assays), K_i of 119 nM.

TAK-041 improves the social behavior in BALB/c mice, TAK-041 demonstrated GPR139-agonist-dependent modulation of habenula cell activity and revealed consistent in vivo efficacy to rescue social interaction deficits in the BALB/c mouse strain. TAK-041 (NBI-1065846) is currently under development for treatment of negative symptoms in SCZ.

References

Reichard HA, et al. *J Med Chem.* 2021 Aug 12;64(15):11527-11542.

Rabiner EA, et al. *Neuropsychopharmacology.* 2021 Oct 21.

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

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