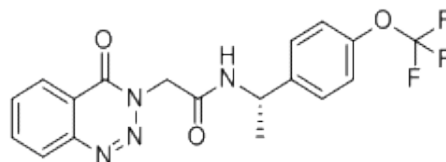


Data Sheet

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Global Supplier of Chemical Probes, Inhibitors & Agonists

Product Name :TAK-041
Cat.No. :URK-V601
CAS No. :1929519-13-0
Molecular Formula :C₁₈H₁₅F₃N₄O₃
Molecular Weight :392.338
Target :GPR139
Solubility :



Biological Activity

TAK-041 (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

1. Reichard HA, et al. J Med Chem. 2021 Aug 12;64(15):11527-11542.
2. Rabiner EA, et al. Neuropsychopharmacology. 2021 Oct 21.

Note: All products of Ureiko are only used for scientific research or drug certificate declaration, and we do not provide products and services for any personal use!

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

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