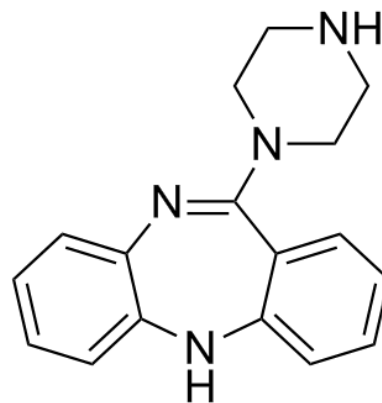


Product Name : DREADD agonist compound 21
Cat. No. : PC-42096
CAS No. : 56296-18-5
Molecular Formula : C₁₇H₁₈N₄
Molecular Weight : 278.3516
Target : mAChR
Solubility : DMSO: ≥ 78 mg/mL



Biological Activity

DREADD agonist compound 21 (hM3Dq agonist) is a potent, selective human **muscarinic acetylcholine M3 receptor** (hM3Dq) full agonist with EC₅₀ of 1.7 nM.

hM3Dq-agonist-21 displays 3.5-fold selective over H1, 40-fold selective over 5HT_{2A}, 100-fold selective over 5HT_{2C}, 165-fold selective over α_{1A}, and inactive at native human M3 receptor (hM3).

References

Chen X, et al. **ACS Chem Neurosci**. 2015 Mar 18;6(3):476-84.

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

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