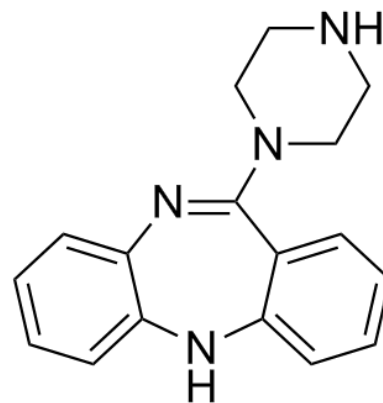


Product Name : hM3Dq-agonist-21
Cat. No. : PC-42096
CAS No. : 56296-18-5
Molecular Formula : C₁₇H₁₈N₄
Molecular Weight : 278.3516
Target : mAChR
Solubility : DMSO: ≥ 78 mg/mL



Biological Activity

hM3Dq-agonist-21 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!

E-mail: tech@probechem.com