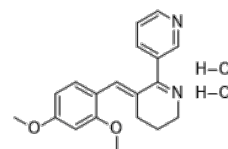


Product Name : GTS-21 dihydrochloride
Cat. No. : PC-23864
CAS No. : 156223-05-1
Molecular Formula : C₁₉H₂₂Cl₂N₂O₂
Molecular Weight : 381.30
Target : nAChR
Solubility : 10 mM in DMSO



Biological Activity

GTS-21 dihydrochloride (DMXBA) is a selective $\alpha 7$ nicotinic acetylcholine receptor ($\alpha 7$ -nAChR) agonist, is also a $\alpha 4\beta 2$ ($K_i=20$ nM for human $\alpha 4\beta 2$) and 5-HT_{3A} receptor ($IC_{50}=3.1$ μ M) antagonist.

GTS-21 dihydrochloride (DMXBA) shows antiinflammatory and cognition enhancing activities.

References

- Meyer EM, et al. J Pharmacol Exp Ther. 1998 Dec;287(3):918-25.
Woodruff-Pak DS, et al. Brain Res. 1994 May 9;645(1-2):309-17.
Briggs CA, et al. Pharmacol Biochem Behav. 1997;57(1-2):231-241.
Zhang R, et al. J Pharmacol Exp Ther. 2006;317(3):1276-1284.

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

E-mail: tech@probechem.com