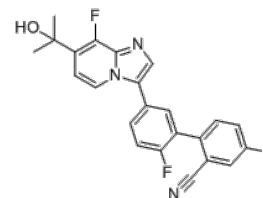


Product Name : TP003
Cat. No. : PC-62771
CAS No. : 628690-75-5
Molecular Formula : C₂₃H₁₆F₃N₃O
Molecular Weight : 407.396
Target : GABA Receptor
Solubility : 10 mM in DMSO



Biological Activity

TP003 is a potent, functional selectivity for $\alpha 3$ subunit-containing **GABAA** receptor agonist with K_i of <1 nM for $\alpha 1\beta 3\gamma 2$, $\alpha 2\beta 3\gamma 2$, $\alpha 3\beta 3\gamma 2$ and $\alpha 5\beta 3\gamma 2$, has no affinity for $\alpha 4\beta 3\gamma 2$ and $\alpha 6\beta 3\gamma 2$ ($K_i > 1$ μ M).

TP003 produces a robust anxiolytic-like effect in both rodent and non-human primate behavioral models of anxiety. TP003 also retains efficacy in a stress-induced hyperthermia model.

References

Dias R, et al. *J Neurosci*. 2005 Nov 16;25(46):10682-8.

Fradley RL, et al. *J Psychopharmacol*. 2007 Jun;21(4):384-91.

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

E-mail: tech@probechem.com