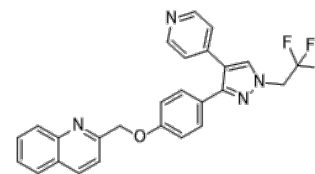


Product Name : TP-10
Cat. No. : PC-24217
CAS No. : 898563-00-3
Molecular Formula : C₂₆H₁₉F₃N₄O
Molecular Weight : 460.46
Target : Phosphodiesterase (PDE)
Solubility : 10 mM in DMSO



CAS: 898563-00-3

Biological Activity

TP-10 is a potent, selective inhibitor of cyclic nucleotide phosphodiesterase PDE10A with IC₅₀ of 0.8 nM. It increases the responsiveness of striatal neurons to electrical stimulation of the ipsilateral frontal cortex. TP-10 also increases cortically evoked spike activity in a stimulus intensity- and dose-dependent manner. TP-10 administration increased the incidence of antidromically activated (i.e., SNr+) MSNs.

References

- Schmidt CJ, et al. J Pharmacol Exp Ther. 2008 May;325(2):681-90.
Threlfell S, et al. J Pharmacol Exp Ther. 2009 Mar;328(3):785-95.
Hamaguchi W, et al. 2014;62(12):1200-1213.

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

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