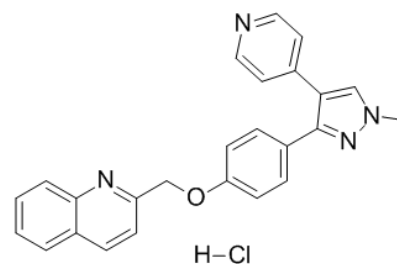


Product Name : PF-2545920 hydrochloride
Cat. No. : PC-45822
CAS No. :
Molecular Formula : C₂₅H₂₁ClN₄O
Molecular Weight : 428.9135
Target : Phosphodiesterase (PDE)
Solubility : DMSO



Biological Activity

A potent and selective PDE10A inhibitor with IC₅₀ of 0.37 nM; displays >1,000-fold selectivity over the PDEs; antagonizes apomorphine-induced climbing in mice, inhibits conditioned avoidance responding in both rats and mice, and blocks NMDA antagonist-induced deficits in prepulse inhibition of acoustic startle response in rats; dose-dependently increases c-Fos immunopositive nuclei in all regions of neostriatum in the DRd1a-tdTomato mice; improves cortico-basal ganglia function in huntington's disease models; orally bioavailable.

Schizophrenia

Phase 2 Discontinued

References

Verhoest PR, et al. J Med Chem. 2009 Aug 27;52(16):5188-96.

Grauer SM, et al. J Pharmacol Exp Ther. 2009 Nov;331(2):574-90.

Beaumont V, et al. Neuron. 2016 Dec 21;92(6):1220-1237.

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

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