

PF-2545920, PDE10A inhibitor

| Catalog | Unit |
|--------------|-------|
| TBI5804-5MG | 5 mg |
| TBI5804-25MG | 25 mg |

Product Details

Formal Name: 2-[[4-[1-Methyl-4-(4-pyridinyl)-1H-pyrazol-3-yl]phenoxy]methyl]-quinoline

Alternate Name: MP-10; PF-920; Mardepodect

Molecular Formula: C₂₅H₂₀N₄O

Formula Weight: 392.5

CAS Number: 898562-94-2

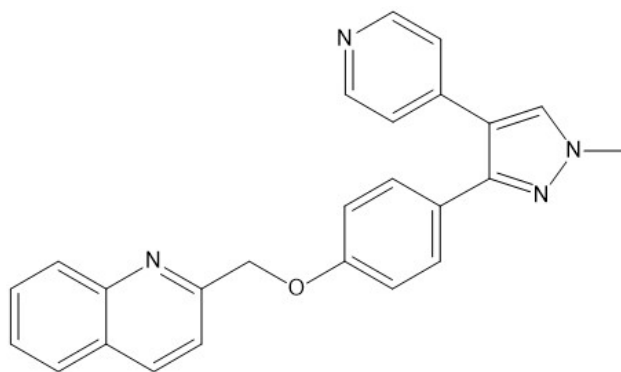
Purity: >98%

Formulation: Powder

Solubility: Soluble in DMSO (25 mg/ml)

Storage: -20°C

Stability: ≥ 2 years



Applications

PDE10A inhibitor

Functions

Potent and selective inhibitor of phosphodiesterase 10A (PDE10A), IC₅₀ = 0.37 nM. Active in a number of animal models for antipsychotic activity. Suppresses microglial activation in LPA-induced neuroinflammation and MPTP-induced Parkinson's disease models. Suppresses proliferation of human glioblastoma cells. Novel agent for stimulation of sperm motility. Brain penetrant.

Application Procedures

First dissolved in DMSO (25 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 3 months.

For research use only.