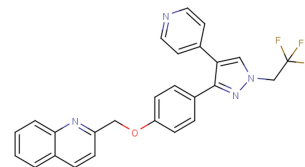


TP-10

Chemical Properties

CAS No.: 898563-00-3
Formula: C₂₆H₁₉F₃N₄O
Molecular Weight: 460.45
Appearance: N/A
Storage: 0-4°C for short term (days to weeks), or -20°C for long term (months).

**Biological Description**

Description	TP-10 is an inhibitor of PDE10A (IC ₅₀ : 0.8 nM).
Targets(IC ₅₀)	Others: None

Solubility Information

Solubility	DMSO: 100 mg/mL (217.18 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.172 mL	10.859 mL	21.718 mL
5 mM	0.434 mL	2.172 mL	4.344 mL
10 mM	0.217 mL	1.086 mL	2.172 mL
50 mM	0.043 mL	0.217 mL	0.434 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Hamaguchi W, et al. Synthesis and in vivo evaluation of novel quinoline derivatives as phosphodiesterase 10A inhibitors. Chem Pharm Bull (Tokyo). 2014;62(12):1200-1213.
2. Verhoest PR, et al. Discovery of a novel class of phosphodiesterase 10A inhibitors and identification of clinical candidate 2-[4-(1-methyl-4-pyridin-4-yl-1H-pyrazol-3-yl)-phenoxy]methyl-quinoline (PF-2545920) for the treatment of schizophrenia. J Med Chem

Inhibitors · Natural Compounds · Compound Libraries

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