

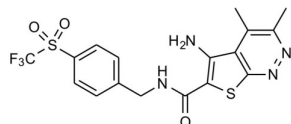
Datasheet

Version: 3.0.0
Revision date: 20 Jun 2025



VU0467154

Catalogue No.: abx076817



VU0467154 is a small molecule. It is provided as a yellow powder.

Allosteric activators of the M4 muscarinic acetylcholine receptor represent a novel approach for the treatment of psychotic symptoms associated with schizophrenia and other neuropsychiatric disorders. VU0467154 produced a robust dose-dependent reversal of MK-801-induced hyperlocomotion and deficits in preclinical models of associative learning and memory functions in wild-type mice, but failed to reverse these stimulant-induced deficits in M4 KO mice. VU0467154 also enhanced the acquisition of both contextual and cue-mediated fear conditioning when administered alone in wild-type mice.

Target: VU0467154

Form: Solid

Purity: > 98% (HPLC). Conforms to structure by NMR.

Reconstitution: Soluble in DMSO.

Storage: Store desiccated at -20 °C for up to 1 year. Solutions can be stored at -20 °C for up to 3 months.

Molecular Weight: 444.4 g/mol

Molecular Formula: C₁₇H₁₅F₃N₄O₃S₂

Buffer: Not applicable.

CAS Number: 1451993-15-9

SMILES: O=S(C1=CC=C(C=C1)CNC(C2=C(N)C3=C(C)C(C)=NN=C3S2)=O)(C(F)(F)F)=O

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