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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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VU0467154

M4 Receptor Agonist
Catalog No. SIH-184



Discovery through partnership | Excellence through quality

Overview

Product Name

VU0467154

Description

M4 Receptor Agonist

Purity

95.11%

CAS No.

1451993-15-9

Molecular Formula

C11H14FINOIS1

Molecular Weight

444.45

Properties

Storage Temperature

-20°C

Shipping Temperature

Blue Ice or 4°C

Product Type

Inhibitor

Solubility

Soluble in DMSO

Source

Synthetic

Appearance

Tan Solid

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

Safety Phrases

Classification: Caution: Substance not yet fully tested.

Safety Phrases:

S22 - Do not breathe dust

S24/25 - Avoid contact with skin and eyes

S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection

Cite This Product

VU0467154 (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-184)

Biological Description**Alternative Names**

5-amino-3,4-dimethyl-N-(4-((trifluoromethyl)sulfonyl)benzyl)thieno[2,3-c]pyridazine-6-carboxamide

Research Areas

Neurodegeneration, Neuroscience, Neurotransmitter Receptors, NMDA Receptors

PubChem ID

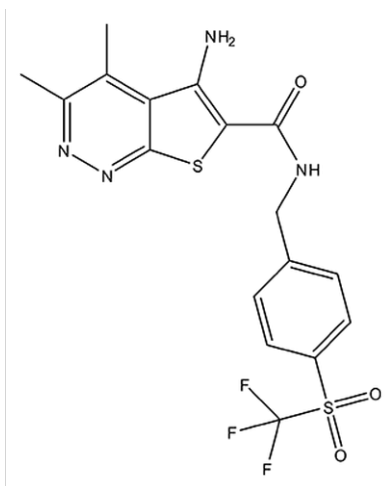
PMC4324418

Scientific Background

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.

References

1. Bubser M., et. al. (2014) ACS Clinical Neuroscience 5: 920 - 942.

Product Images

Chemical structure of VU0467154 (SIH-184), a M4 Receptor Agonist. CAS #: 1451993-15-9. Molecular Formula: C₁₇H₁₅F₃N₄O₃S₂. Molecular Weight: 444.45 g/mol.

Product Citations (0)

Currently there are no citations for this product.

Reviews

There are no reviews yet.