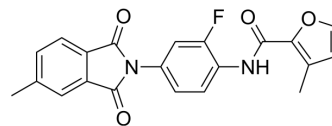


VU6004909

Cat. No.:	HY-156331
CAS No.:	1860797-76-7
Molecular Formula:	C ₂₁ H ₁₅ FN ₂ O ₄
Molecular Weight:	378.35
Target:	mGluR
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	VU6004909 is a mGlu5 receptor positive allosteric modulator (pEC ₅₀ : 7.59). VU6004909 shows antipsychotic-like effects. VU6004909 can reverse MK801-induced cortical hyperactivity and cognitive deficits ^{[1][2]} .
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REFERENCES

- [1]. Dogra S, et al. Metabotropic Glutamate Receptors As Emerging Targets for the Treatment of Schizophrenia. *Mol Pharmacol*. 2022 May;101(5):275-285.
- [2]. Garcia-Barrantes PM, et al. Lead optimization of the VU0486321 series of mGlu(1) PAMs. Part 2: SAR of alternative 3-methyl heterocycles and progress towards an in vivo tool. *Bioorg Med Chem Lett*. 2016 Feb 1;26(3):751-756.

Caution: Product has not been fully validated for medical applications. For research use only.

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