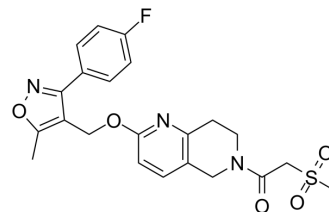


GABAA receptor modulator-2

Cat. No.:	HY-147657
CAS No.:	2413850-54-9
Molecular Formula:	C ₂₂ H ₂₂ FN ₃ O ₅ S
Molecular Weight:	459.49
Target:	GABA Receptor
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	GABAA receptor modulator-2 (Compound 20) is selective, orally active α 5-GABA _A R negative allosteric modulator (NAM) with a K _i of 4.1 nM. GABAA receptor modulator-2 shows high-metabolic stability and good CNS safety ^[1] .
IC₅₀ & Target	K _i : 4.1 nM (h α 5) ^[1]
In Vivo	GABAA receptor modulator-2 (Compound 20) (0-10 mg/kg) produces a dose-dependent reversal of the PCP-induced cognitive deficit in the rat subPCP NOR test ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Szabó G, et al. Multiparameter Optimization of Naphthyridine Derivatives as Selective α 5-GABAA Receptor Negative Allosteric Modulators. J Med Chem. 2022 Jun 9;65(11):7876-7895.

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

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