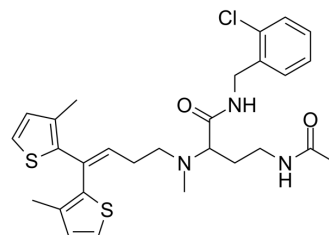


mGAT-IN-1

Cat. No.:	HY-146282
CAS No.:	2556833-08-8
Molecular Formula:	C ₂₈ H ₃₄ ClN ₃ O ₂ S ₂
Molecular Weight:	544.17
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	mGAT-IN-1 (compound 28) is a potent and non-selective GAT inhibitor. mGAT-IN-1 has a high inhibitory potency toward mGAT3, with an IC ₅₀ of 2.5 μM and pIC ₅₀ of 5.61 ^[1] .
IC ₅₀ & Target	IC ₅₀ : 2.5 μM (mGAT3); pIC ₅₀ : 5.06 ± 0.02 (mGAT1), 5.35 ± 0.08 (mGAT2), 5.61 ± 0.07 (mGAT3), 5.21 ± 0.05 (mGAT4) ^[1]

REFERENCES

[1]. Zaręba P, et al. Novel mouse GABA uptake inhibitors with enhanced inhibitory activity toward mGAT3/4 and their effect on pain threshold in mice. Eur J Med Chem. 2020 Feb 15;188:111920.

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

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