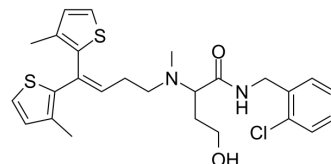


## mGAT3/4-IN-1

Cat. No.:	HY-146280
CAS No.:	2556833-57-7
Molecular Formula:	C <sub>26</sub> H <sub>31</sub> ClN <sub>2</sub> O <sub>2</sub> S <sub>2</sub>
Molecular Weight:	503.12
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	mGAT3/4-IN-1 (compound 19b) is a potent mGAT3/mGAT4 inhibitor, with pIC <sub>50</sub> values of 5.31 and 5.24, respectively. mGAT3/4-IN-1 exhibits a significant tactile allodynia reduction in diabetic neuropathic mice <sup>[1]</sup> .
IC <sub>50</sub> & Target	pIC <sub>50</sub> : 4.86 ± 0.10 (mGAT1), 4.98 ± 0.05 (mGAT2), 5.31 ± 0.04 (mGAT3), 5.24 ± 0.05 (mGAT4) <sup>[1]</sup>

### 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.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA