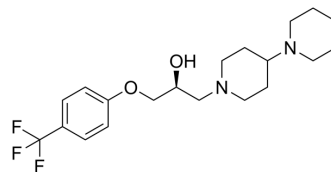


## TWIK-1/TREK-1-IN-2

Cat. No.:	HY-149537
CAS No.:	1440532-32-0
Molecular Formula:	C <sub>20</sub> H <sub>29</sub> F <sub>3</sub> N <sub>2</sub> O <sub>2</sub>
Molecular Weight:	386.45
Target:	Potassium Channel
Pathway:	Membrane Transporter/Ion Channel
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

TWIK-1/TREK-1-IN-2 (Compound 2g) is a TWIK-1/TREK-1 inhibitor. TWIK-1/TREK-1-IN-2 inhibits TREK-1 homodimer and TWIK-1/TREK-1 heterodimer with IC<sub>50</sub>s of 10.13 μM and 15.5 μM. TWIK-1/TREK-1-IN-2 is an antidepressant<sup>[1]</sup>.

### REFERENCES

[1]. Lee EH, et al. Novel potent blockers for TWIK-1/TREK-1 heterodimers as potential antidepressants. *Biomed Pharmacother.* 2023 Sep;165:115139.

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

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