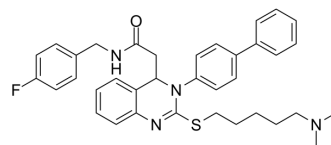


T-Type calcium channel inhibitor 2

Cat. No.:	HY-147708
CAS No.:	2771965-57-0
Molecular Formula:	C ₃₆ H ₃₉ FN ₄ OS
Molecular Weight:	594.78
Target:	Calcium Channel
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	T-Type calcium channel inhibitor 2 (compound 6g) is a potent T-type calcium channel inhibitor with IC ₅₀ s of 31.0, 83.1, 69.3 μM for Cav3.1 (α1G), Cav3.2 (α1H), Cav3.3 (α1I) (α1H), respectively. T-Type calcium channel inhibitor 2 shows cytotoxicity for A549, HCT-116 cells with IC ₅₀ s of 5.0, 6.4 μM, respectively ^[1] .		
IC₅₀ & Target	Ca _v 3.1 31.0 μM (IC ₅₀)	Ca _v 3.2 83.1 μM (IC ₅₀)	Ca _v 3.3 69.3 μM (IC ₅₀)

REFERENCES

[1]. Nam Y, et al. Synthesis and cytotoxic effects of 2-thio-3,4-dihydroquinazoline derivatives as novel T-type calcium channel blockers. Bioorg Med Chem. 2020 Jun 1;28(11):115491.

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

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