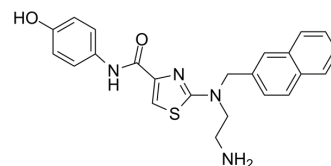


TRPC antagonist 1

Cat. No.:	HY-162090
CAS No.:	3027139-12-1
Molecular Formula:	C ₂₃ H ₂₂ N ₄ O ₂ S
Molecular Weight:	418.51
Target:	TRP 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	TRPC antagonist 1 (compound 15g) is a potent TRP channel (TRPC) antagonist with IC ₅₀ s of 2.4 μM, 12.2 μM, 7.6 μM, 2.9 μM, and 3.4 μM for TRPC3, TRPC4, TRPC5, TRPC6, and TRPC7, respectively. TRPC antagonist 1 displays noteworthy anti-glioblastoma efficacy in vitro against U87 cell lines ^[1] .			
IC₅₀ & Target	TRPC3	TRPC4	TRPC5	TRPC6
	2.4 μM (IC ₅₀)	12.2 μM (IC ₅₀)	7.6 μM (IC ₅₀)	2.9 μM (IC ₅₀)
	TRPC7			
	3.4 μM (IC ₅₀)			

REFERENCES

[1]. Shanshan Wang, et al. Discovery of N-alkyl-N-benzyl thiazoles as novel TRPC antagonists for the treatment of glioblastoma multiforme. *European Journal of Medicinal Chemistry*. 22 December 2023, 116066.

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

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