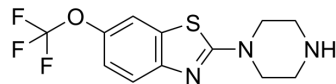


VGSCs-IN-1

Cat. No.:	HY-W031620
CAS No.:	1204296-79-6
Molecular Formula:	C ₁₂ H ₁₂ F ₃ N ₃ OS
Molecular Weight:	303.3
Target:	Sodium Channel
Pathway:	Membrane Transporter/Ion Channel
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	VGSCs-IN-1 (compound 14), a 2-piperazine analog of Riluzole (HY-B0211), is a human voltage-gated sodium channels (VGSCs) inhibitor. VGSCs-IN-1 shows great Nav1.4 blocking activity. VGSCs-IN-1 has a pKa of 7.6 and a cLog P of 2.4. VGSCs-IN-1 can be used for cell excitability disorders research ^[1] .	
IC₅₀ & Target	hNav _v 1.4	hNav _v 1.7

REFERENCES

[1]. Farinato A, et al. Development of Riluzole Analogs with Improved Use-Dependent Inhibition of Skeletal Muscle Sodium Channels. ACS Med Chem Lett. 2023 Jun 23;14(7):999-1008.

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

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