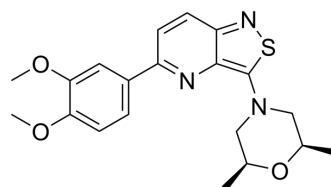


GAK inhibitor 2

Cat. No.:	HY-147761
CAS No.:	2396706-31-1
Molecular Formula:	C ₂₀ H ₂₃ N ₃ O ₃ S
Molecular Weight:	385.48
Target:	Antibiotic; Flavivirus; Dengue virus
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	GAK inhibitor 2 (Compound 14g) is a potent cyclin G-associated kinase (GAK) inhibitor with an IC ₅₀ of 0.024 μM. GAK inhibitor 2 shows antiviral activity with an EC ₅₀ of 1.049 μM against dengue virus (DENV) ^[1] .
IC ₅₀ & Target	IC ₅₀ : 0.024 μM (GAK) ^[1]

REFERENCES

[1]. Martinez-Gualda B, et al. Structure-activity relationship study of the pyridine moiety of isothiazolo[4,3-b]pyridines as antiviral agents targeting cyclin G-associated kinase. *Bioorg Med Chem*. 2020 Jan 1;28(1):115188.

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

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