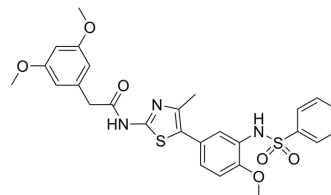


KR-27370

Cat. No.:	HY-161357
Molecular Formula:	C ₂₇ H ₂₇ N ₃ O ₆ S ₂
Molecular Weight:	553.65
Target:	PI4K
Pathway:	PI3K/Akt/mTOR
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	KR-27370 (compound 7f) is an antiviral agent and selective PI4KIIIβ/PI4KIIIα inhibitor (IC ₅₀ : 3.1 nM/15.8 nM), against hRV, Ke Saatchivirus and other enteroviruses have inhibitory activity ^[1] .br/ ^[1] .	
IC ₅₀ & Target	PI4KIIIβ 3.1 nM (IC ₅₀ , ^[1])	PI4KIIIα 15.8 nM (IC ₅₀ , ^[1])
In Vitro	KR-27370 has low cytotoxicity (CC ₅₀ : >100 μM, H1HeLa), and its EC ₅₀ against hRV B14, hRV A16, and hRV A21 are 22 nM, 32 nM, and 36 nM respectively ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.	

REFERENCES

[1]. G Vishakantgowda A, et al. Highly potent and selective phosphatidylinositol 4-kinase IIIβ inhibitors as broad-spectrum anti-rhinoviral agents. RSC Med Chem. 2023 Dec 21;15(2):704-719.

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

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