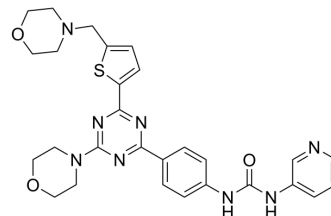


PI3K/mTOR Inhibitor-14

Cat. No.:	HY-156445
CAS No.:	2919684-77-6
Molecular Formula:	C ₂₈ H ₃₀ N ₈ O ₃ S
Molecular Weight:	558.65
Target:	PI3K; mTOR
Pathway:	PI3K/Akt/mTOR
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	PI3K/mTOR Inhibitor-14 (compound Y-2) is a potent PI3K and mTOR dual inhibitor with IC ₅₀ s of 171.4 nM and 10.1 nM, respectively. PI3K/mTOR Inhibitor-14 has antitumor activities ^[1] .	
IC ₅₀ & Target	PI3K 171.4 nM (IC ₅₀)	mTOR 10.1 nM (IC ₅₀)

REFERENCES

[1]. Yang Yang, et al. Discovery of novel potent PI3K/mTOR dual-target inhibitors based on scaffold hopping: Design, synthesis, and antiproliferative activity. Arch Pharm (Weinheim). 2023 Oct 15:e2300403.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA