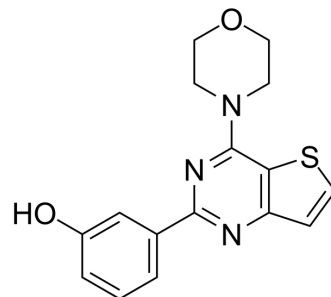


PI3K-IN-18

Cat. No.:	HY-109633
CAS No.:	371943-05-4
Molecular Formula:	C ₁₆ H ₁₅ N ₃ O ₂ S
Molecular Weight:	313.37
Target:	mTOR; PI3K
Pathway:	PI3K/Akt/mTOR
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	PI3K-IN-18 (Compound 1) is a PI3K inhibitor, and can also effectively inhibit the homologous enzymemTOR. The IC ₅₀ values of PI3K-IN-18 for mTOR and PI3K- α were 49 nM and 41 nM, respectively ^[1] .	
IC ₅₀ & Target	mTOR 49 nM (IC ₅₀)	PI3K α 41 nM (IC ₅₀)

REFERENCES

[1]. Verheijen, Jeroen C et al. "Discovery of 2-arylthieno[3,2-d]pyrimidines containing 8-oxa-3-azabi-cyclo[3.2.1]octane in the 4-position as potent inhibitors of mTOR with selectivity over PI3K." Bioorganic & medicinal chemistry letters vol. 20,1 (2010): 375-9.

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