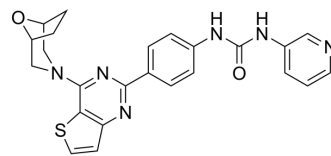


mTOR inhibitor-13

Cat. No.:	HY-155211
CAS No.:	1144075-44-4
Molecular Formula:	C ₂₄ H ₂₂ N ₆ O ₂ S
Molecular Weight:	458.54
Target:	mTOR; PI3K
Pathway:	PI3K/Akt/mTOR
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	mTOR inhibitor-13 (compound 9g), an aryl ureido compound, is a potent and selective mTOR inhibitor with an IC ₅₀ of 0.29 nM. mTOR inhibitor-13 also inhibits PI3K-α with an IC ₅₀ of 119 nM ^[1] .	
IC ₅₀ & Target	mTOR 0.29 nM (IC ₅₀)	PI3Kα 119 nM (IC ₅₀)

REFERENCES

[1]. Jeroen C Verheijen, 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. *Bioorg Med Chem Lett*. 2010 Jan 1;20(1):375-9.

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

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