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Produktinformation



Forschungsprodukte & Biochemikalien



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Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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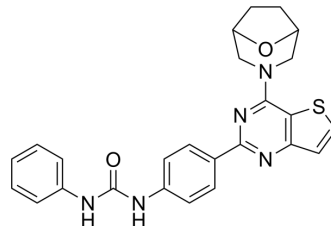
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mTOR inhibitor-16

Cat. No.:	HY-162024
CAS No.:	1144075-42-2
Molecular Formula:	C ₂₅ H ₂₃ N ₅ O ₂ S
Molecular Weight:	457.55
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-16 (Compound 9f) is a selective inhibitor for mTOR. mTOR inhibitor-10 inhibits mTOR and PI3K- α , with IC ₅₀ of 1.25 and 82 nM. mTOR inhibitor-10 inhibits proliferation of LNCaP with IC ₅₀ of 140 nM ^[1] .	
IC ₅₀ & Target	mTOR 1.25 nM (IC ₅₀)	PI3K α 82 nM (IC ₅₀)

REFERENCES

[1]. Verheijen JC, 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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