



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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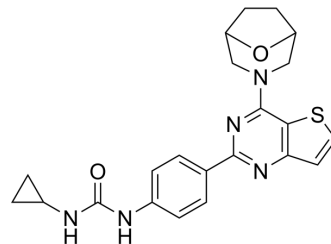
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## mTOR inhibitor-17

Cat. No.:	HY-162025
CAS No.:	1144075-40-0
Molecular Formula:	C <sub>22</sub> H <sub>23</sub> N <sub>5</sub> O <sub>2</sub> S
Molecular Weight:	421.52
Target:	mTOR; PI3K
Pathway:	PI3K/Akt/mTOR
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	mTOR inhibitor-17 (Compound 9e) is a selective inhibitor for mTOR. mTOR inhibitor-10 inhibits mTOR and PI3K- $\alpha$ , with IC <sub>50</sub> of 0.68 and 1359 nM. mTOR inhibitor-10 inhibits proliferation of LNCaP with IC <sub>50</sub> of 40 nM <sup>[1]</sup> .	
<b>IC<sub>50</sub> &amp; Target</b>	mTOR 0.68 nM (IC <sub>50</sub> )	PI3K $\alpha$ 1359 nM (IC <sub>50</sub> )

### 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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