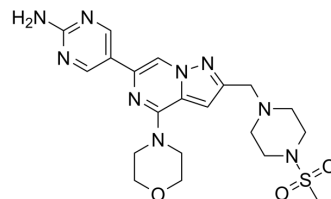


## ETP-47037

Cat. No.:	HY-139810
CAS No.:	1316760-76-5
Molecular Formula:	C <sub>20</sub> H <sub>27</sub> N <sub>9</sub> O <sub>3</sub> S
Molecular Weight:	473.55
Target:	PI3K
Pathway:	PI3K/Akt/mTOR
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



## BIOLOGICAL ACTIVITY

### Description

ETP-47037 is a potent and inhibitor of PI3K $\alpha$  isoform with an IC<sub>50</sub> value of 0.99 nM. ETP-47037 also inhibits the PI3K $\beta$ , PI3K $\delta$ , and PI3K $\gamma$  isoforms, with IC<sub>50</sub> values of 49.2, 7.13, and 49.1 nM, respectively. ETP-47037 has the potential for the research of chemical modulation of telomere protection<sup>[1]</sup>.

## REFERENCES

[1]. Méndez-Pertuz M, et al. Modulation of telomere protection by the PI3K/AKT pathway. Nat Commun. 2017;8(1):1278.

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

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