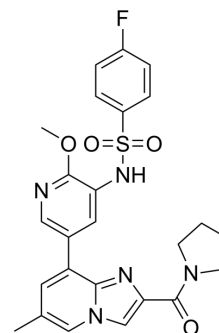


## PI3K $\alpha$ -IN-15

Cat. No.:	HY-157319
CAS No.:	2893920-80-2
Molecular Formula:	C <sub>25</sub> H <sub>24</sub> FN <sub>5</sub> O <sub>4</sub> S
Molecular Weight:	509.55
Target:	PI3K
Pathway:	PI3K/Akt/mTOR
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



## BIOLOGICAL ACTIVITY

### Description

PI3K $\alpha$ -IN-15 is a potent PI3K $\alpha$  inhibitor with an IC<sub>50</sub> of 0.15 $\mu$ M. PI3K $\alpha$ -IN-15 also has acceptable anti-proliferative activity (inhibits SKOV-3, T47D, NCI-H1975, NCI-H460, and MCF-7 growth with IC<sub>50</sub> values of 26.6 $\mu$ M, 7.9 $\mu$ M, 32.1 $\mu$ M, 17.7 $\mu$ M, and 9.4 $\mu$ M, respectively. PI3K $\alpha$ -IN-15 can be used for cancer research<sup>[1]</sup>.

## REFERENCES

[1]. Rui Chen, et al. Design, synthesis and evaluation of 2, 6, 8-substituted Imidazopyridine derivatives as potent PI3K  $\alpha$  inhibitors. J Enzyme Inhib Med Chem. 2023 Dec;38(1):2155638.

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

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