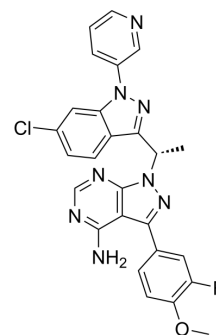


## PI3K $\delta$ -IN-14

Cat. No.:	HY-155975
Molecular Formula:	C <sub>26</sub> H <sub>20</sub> ClFN <sub>8</sub> O
Molecular Weight:	514.94
Target:	PI3K
Pathway:	PI3K/Akt/mTOR
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	PI3K $\delta$ -IN-14 (Compound (S)-29) is a selective PI3K $\delta$ inhibitor (IC <sub>50</sub> : 0.8 nM, K <sub>d</sub> : 84.8 nM). PI3K $\delta$ -IN-14 binds to the ATP-binding site of the kinase domain of PI3K $\delta$ . PI3K $\delta$ -IN-14 has anti-inflammatory activity by inhibiting the PI3K/AKT pathway. PI3K $\delta$ -IN-14 ameliorates acute lung injury (ALI) <sup>[1]</sup> .
IC <sub>50</sub> & Target	0.8 nM (PI3K $\delta$ ) <sup>[1]</sup>

### REFERENCES

[1]. Tang Y, et al. Discovery of Highly Selective and Orally Bioavailable PI3K $\delta$  Inhibitors with Anti-Inflammatory Activity for Treatment of Acute Lung Injury. J Med Chem. 2023 Aug 22.

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

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