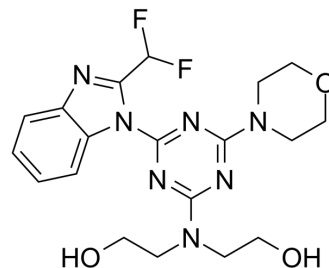


## PI3K-IN-31

Cat. No.:	HY-143403
CAS No.:	1359956-12-9
Molecular Formula:	C <sub>19</sub> H <sub>23</sub> F <sub>2</sub> N <sub>7</sub> O <sub>3</sub>
Molecular Weight:	435.43
Target:	PI3K
Pathway:	PI3K/Akt/mTOR
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	PI3K-IN-31 (Compound 6b) is a potent PI3K inhibitor with IC <sub>50</sub> s of 3.7 nM, 74 nM, 14.6 nM, and 9.9 nM for PI3K $\alpha$ , PI3K $\beta$ , PI3K $\gamma$ , and PI3K $\delta$ , respectively. PI3K-IN-31 has anticancer effects <sup>[1]</sup> .			
<b>IC<sub>50</sub> &amp; Target</b>	PI3K $\alpha$ 3.7 nM (IC <sub>50</sub> )	PI3K $\delta$ 9.9 nM (IC <sub>50</sub> )	PI3K $\gamma$ 14.6 nM (IC <sub>50</sub> )	PI3K $\beta$ 74 nM (IC <sub>50</sub> )

### REFERENCES

[1]. Marcian E Van Dort, et al. Structural effects of morpholine replacement in ZSTK474 on Class I PI3K isoform inhibition: Development of novel MEK/PI3K bifunctional inhibitors. *Eur J Med Chem.* 2022 Feb 5;229:113996.

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

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