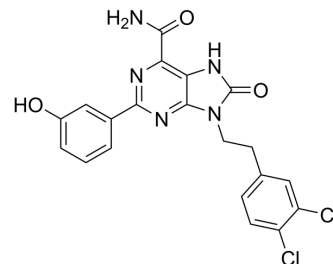


## PI3Kδ-IN-12

Cat. No.:	HY-149235
Molecular Formula:	C <sub>20</sub> H <sub>15</sub> Cl <sub>2</sub> N <sub>5</sub> O <sub>3</sub>
Molecular Weight:	444.27
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>	PI3Kδ-IN-12 (compound 13) is a PI3Kδ inhibitor (pIC <sub>50</sub> = 5.8), with pKi values of 8.0/6.5/6.4/6.7 for PI3Kδ/γ/β/α, respectively. PI3Kδ-IN-12 can be used in the study of chronic respiratory diseases such as asthma and chronic obstructive pulmonary disease (COPD) <sup>[1]</sup> .			
<b>IC<sub>50</sub> &amp; Target</b>	PI3Kδ 5.8 (pIC <sub>50</sub> )	PI3Kδ 8.0 (pKi)	PI3Kγ 6.5 (pKi)	PI3Kβ 6.4 (pKi)
	PI3Kα 6.7 (pKi)			

### REFERENCES

[1]. Mazzucato R, et al. Application of an "inhalation by design" approach to the identification and in-vitro evaluation of novel purine based PI3Kδ inhibitors. Eur J Med Chem. 2023 Jun 5;254:115331.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA