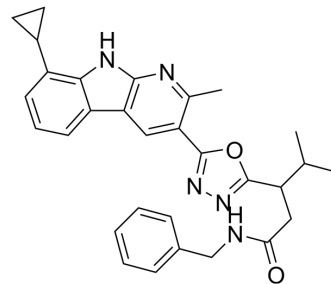


## PDHK-IN-5

Cat. No.:	HY-146554
Molecular Formula:	C <sub>30</sub> H <sub>31</sub> N <sub>5</sub> O <sub>2</sub>
Molecular Weight:	493.6
Target:	PDHK
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



## BIOLOGICAL ACTIVITY

### Description

PDHK-IN-5 (Compound 19) is a potent inhibitor of PDHK with IC<sub>50</sub>s of 0.006 and 0.0329 μM for PDHK2 and PDHK4, respectively. Pyruvate dehydrogenase kinases (PDHKs) are fascinating agent targets for numerous diseases, including diabetes and cancers. PDHK-IN-5 has the potential for the research of cancer diseases<sup>[1]</sup>.

## REFERENCES

[1]. Bessho Y, et al. Structure-based drug design of novel and highly potent pyruvate dehydrogenase kinase inhibitors. *Bioorg Med Chem*. 2021 Dec 15;52:116514

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

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