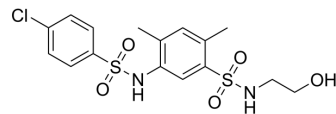


## PDK-IN-3

Cat. No.:	HY-157299
Molecular Formula:	C <sub>16</sub> H <sub>19</sub> ClN <sub>2</sub> O <sub>5</sub> S <sub>2</sub>
Molecular Weight:	418.92
Target:	PDHK
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



## BIOLOGICAL ACTIVITY

### Description

PDK-IN-3 (compound 1) is a potent pan inhibitor of PDK with IC<sub>50</sub>s of 109.3, 135.8, 458.7 nM and 8.67 μM against PDK 1-4, respectively. PDK-IN-3 also induces proliferation and apoptosis in A549 cells<sup>[1]</sup>.

## REFERENCES

[1]. Gan L, et al. Targeting the pyruvate dehydrogenase complex/pyruvate dehydrogenase kinase (PDC/PDK) axis to discover potent PDK inhibitors through structure-based virtual screening and pharmacological evaluation. *Eur J Med Chem.* 2023 Dec 3;264:116008.

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

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