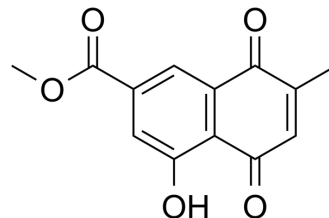


## PDK4-IN-2

Cat. No.:	HY-157538
CAS No.:	1616752-12-5
Molecular Formula:	C <sub>13</sub> H <sub>10</sub> O <sub>5</sub>
Molecular Weight:	246.22
Target:	PDHK
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	PDK4-IN-2 (compound 8) is a pyruvate dehydrogenase kinase 4 (PDK4) inhibitor with an IC <sub>50</sub> of 46 μM. PDK4-IN-2 improves ejection fraction of failing hearts by regulating bioenergetics via activation of the tricarboxylic acid cycle <sup>[1]</sup> .
IC <sub>50</sub> & Target	46 μM (PDK4)

### REFERENCES

[1]. Kenichi Aizawa, et al. A Potent PDK4 Inhibitor for Treatment of Heart Failure with Reduced Ejection Fraction. *Cells*. 2023 Dec 30;13(1):87.

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

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