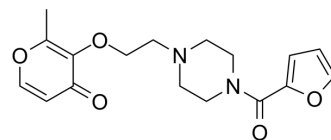


LDHA/PDKs-IN-2

Cat. No.:	HY-146978
CAS No.:	2490699-44-8
Molecular Formula:	C ₁₇ H ₂₀ N ₂ O ₅
Molecular Weight:	332.35
Target:	PDK-1
Pathway:	PI3K/Akt/mTOR
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

LDHA/PDKs-IN-2 (compound 20k) is a potent and dual inhibitor of PDKs and LDHA with IC₅₀s of 1.6 and 0.7 μM, respectively. LDHA/PDKs-IN-2 reduces A549 cell proliferation with an EC₅₀ of 15.7 μM and decreases the lactate formation, and increases oxygen consumption. LDHA/PDKs-IN-2 has the potential for the research of cancer diseases^[1].

REFERENCES

[1]. Xiang S, et al. Development of dual inhibitors targeting pyruvate dehydrogenase kinases and human lactate dehydrogenase A: High-throughput virtual screening, synthesis and biological validation. *Eur J Med Chem.* 2020;203:112579.

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

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