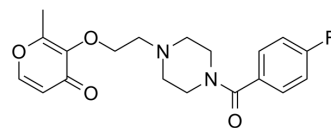


LDHA/PDKs-IN-1

| | |
|--------------------|---|
| Cat. No.: | HY-146977 |
| CAS No.: | 2490699-40-4 |
| Molecular Formula: | C ₁₉ H ₂₁ FN ₂ O ₄ |
| Molecular Weight: | 360.38 |
| 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-1 (compound 20e) is a potent and dual inhibitor of PDKs and LDHA with IC₅₀s of 0.8 and 0.15 μM, respectively. LDHA/PDKs-IN-1 reduces A549 cell proliferation with an EC₅₀ of 13.2 μM and decreases the lactate formation, and increases oxygen consumption. LDHA/PDKs-IN-1 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.

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