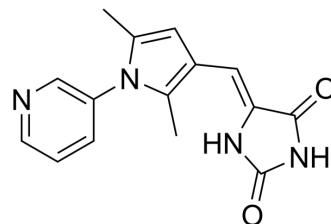


LDHA-IN-8

| | |
|--------------------|---|
| Cat. No.: | HY-169060 |
| Molecular Formula: | C ₁₅ H ₁₄ N ₄ O ₂ |
| Molecular Weight: | 282.3 |
| Target: | Lactate Dehydrogenase |
| Pathway: | Metabolic Enzyme/Protease |
| Storage: | Please store the product under the recommended conditions in the Certificate of Analysis. |



BIOLOGICAL ACTIVITY

Description

LDHA-IN-8 (Compound 6) is a lactate dehydrogenase (LDHA) inhibitor. LDHA-IN-8 inhibits LDHA catalysis of pyruvate in a dose-dependent manner (EC₅₀ value of 14.54 μM), reduces intracellular lactate levels, and increases intracellular reactive oxygen species (ROS) levels, thereby inhibiting the proliferation of pancreatic cancer cells and lung cancer cells. LDHA-IN-8 holds promise for research in the field of LDHA-related antitumor therapies^[1].

REFERENCES

[1]. Shu Y, et al. Development of human lactate dehydrogenase a inhibitors: high-throughput screening, molecular dynamics simulation and enzyme activity assay. J Comput Aided Mol Des. 2024 Aug 10;38(1):28.

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