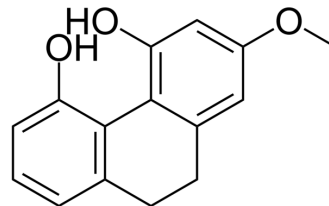


Pyruvate Carboxylase-IN-1

Cat. No.:	HY-142684
CAS No.:	70205-50-4
Molecular Formula:	C ₁₅ H ₁₄ O ₃
Molecular Weight:	242.27
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Pyruvate Carboxylase-IN-1 (compound 37) is a potent inhibitor of pyruvate carboxylase (PC) with IC₅₀s of 0.204 and 0.104 μM in cell lysate-based and cell-based PC activity, respectively. Pyruvate Carboxylase-IN-1 is a natural analog of erianin. Pyruvate Carboxylase-IN-1 inhibites the enzymatic activity of PC, mediating the anticancer effect in human hepatocellular carcinoma (HCC)^[1].

REFERENCES

[1]. Sheng Y, et al. Identification of Pyruvate Carboxylase as the Cellular Target of Natural Bibenzyls with Potent Anticancer Activity against Hepatocellular Carcinoma via Metabolic Reprogramming. *J Med Chem.* 2022;65(1):460-484.

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