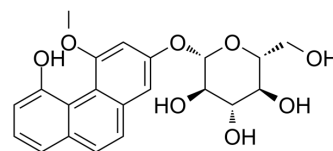


Pyruvate Carboxylase-IN-2

Cat. No.:	HY-142685
CAS No.:	1469730-16-2
Molecular Formula:	C ₂₁ H ₂₂ O ₈
Molecular Weight:	402.39
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Pyruvate Carboxylase-IN-2 (compound 29) is a potent inhibitor of pyruvate carboxylase (PC) with IC₅₀s of 0.065 and 0.097 μM in cell lysate-based and cell-based PC activity, respectively. Pyruvate Carboxylase-IN-2 is a natural analog of erianin. Pyruvate Carboxylase-IN-2 inhibits 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.

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