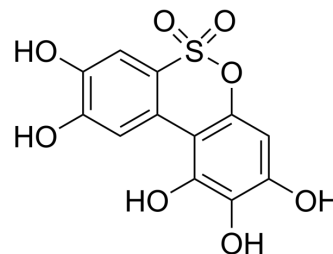


PKL-IN-1

Cat. No.:	HY-161337
Molecular Formula:	C ₁₂ H ₈ O ₈ S
Molecular Weight:	312.25
Target:	Pyruvate Kinase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	PKL-IN-1 (Compound 12a) is a potent pyruvate kinase L (PKL) inhibitor with IC ₅₀ values of 0.07 μM and 0.18 μM for PKL and PKR subtypes, respectively. PKL-IN-1 can inhibit 96.6% PKL activity at 10 μM concentration ^[1] .
IC ₅₀ & Target	IC ₅₀ : 0.07 μM (PKL) ^[1]

REFERENCES

[1]. Matić J, et al. Sulfone-based human liver pyruvate kinase inhibitors - Design, synthesis and in vitro bioactivity. Eur J Med Chem. 2024;269:116306.

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

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