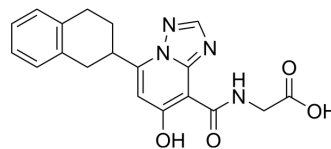


PHD2-IN-2

Cat. No.:	HY-162438
Molecular Formula:	C ₁₉ H ₁₈ N ₄ O ₄
Molecular Weight:	366.37
Target:	HIF/HIF Prolyl-Hydroxylase
Pathway:	Metabolic Enzyme/Protease
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



BIOLOGICAL ACTIVITY

Description	PHD2-IN-2 (Compound 12) is a PHD2 inhibitor, with an IC ₅₀ of 34.3 nM. PHD2-IN-2 has high erythropoietin (EPO) inducing activity, with an EC ₅₀ of 6.79 μM. PHD2-IN-2 can be used for the research of anemia, ischemia, and hypoxia ^[1] .
In Vivo	PHD2-IN-2 (3 mg/kg, daily for 14 days) increases the level of EPO in SD rats ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Tang HT, et al. Prolyl hydroxylase inhibitor and use thereof. WO2024061172A1.

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

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