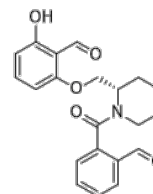


Product Name : HypoxyStat
Cat. No. : PC-24293
CAS No. : 2414508-40-8
Molecular Formula : C₂₁H₂₁NO₅
Molecular Weight : 367.40
Target : Other Targets
Solubility : 10 mM in DMSO



CAS: 2414508-40-8

Biological Activity

HypoxyStat is a small molecule that increase oxygen-hemoglobin binding affinity cause tissue **hypoxia**, binds **hemoglobin**, induces systemic hypoxia in mice breathing normoxic (21% O₂) air.

HypoxyStat results in tissue hypoxia that is comparable to therapeutic inhaled hypoxia.

HypoxyStat improves survival and outcomes of Ndufs4 KO model of Leigh syndrome.

HypoxyStat not only extends lifespan but also rescues key neuropathological and behavioral deficits in the premier mouse model of Leigh syndrome.

HypoxyStat reverses very late stage of disease (~P50) in Ndufs4 KO mice.

References

Blume SY, et al. **Cell**. 2025 Feb 12:S0092-8674(25)00098-4.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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