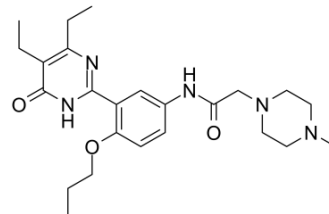


TPN171

Cat. No.:	HY-128593
CAS No.:	1229018-87-4
Molecular Formula:	C ₂₄ H ₃₅ N ₅ O ₃
Molecular Weight:	441.57
Target:	Phosphodiesterase (PDE)
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the COA.



BIOLOGICAL ACTIVITY

Description	TPN171 is a potent, selective and oral bioavailable inhibitor of phosphodiesterase type 5 (PDE5) with an IC ₅₀ of 0.62 nM, being developed for the treatment of pulmonary arterial hypertension (PAH) ^[1] .
IC ₅₀ & Target	PDE5 0.62 nM (IC ₅₀)

REFERENCES

[1]. Wang Z, et al. Pharmacokinetics-Driven Optimization of 4(3 H)-Pyrimidinones as Phosphodiesterase Type 5 Inhibitors Leading to TPN171, a Clinical Candidate for the Treatment of Pulmonary Arterial Hypertension. *J Med Chem.* 2019 May 23;62(10):4979-4990.

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

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