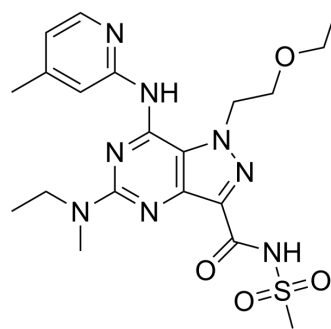


PF-00489791

Cat. No.:	HY-14464
CAS No.:	853003-48-2
Molecular Formula:	C ₂₀ H ₂₈ N ₈ O ₄ S
Molecular Weight:	476.55
Target:	Phosphodiesterase (PDE)
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



SOLVENT & SOLUBILITY

In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 1.25 mg/mL (2.62 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 1.25 mg/mL (2.62 mM); Clear solution
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BIOLOGICAL ACTIVITY

Description	PF-00489791 (PF-489791) is a potent inhibitor of phosphodiesterase 5A with IC ₅₀ of 1.5 nM. PF-00489791 can enhance the relaxation of blood vessels within the kidney and so reduce blood pressure, improving renal function ^[1] .
IC ₅₀ & Target	PDE5A 5 nM (IC ₅₀)

REFERENCES

[1]. Frank S Menniti, et al. A non-brain penetrant PDE5A inhibitor improves functional recovery after stroke in rats. Restor Neurol Neurosci. 2012;30(4):283-9.

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

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