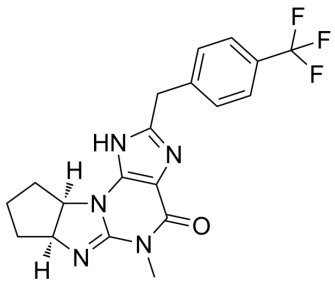
SCH 51866

Cat. No.:	HY-116262
CAS No.:	167298-74-0
Molecular Formula:	$C_{19}H_{18}F_3N_5O$
Molecular Weight:	389.37
Target:	Phosphodiesterase (PDE)
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	SCH 51866 is a potent, selective and orally active inhibitor of PDE1 (IC_{50}=70 nM) and PDE5 (IC_{50}=60 nM). SCH 51866 inhibits collagen-induced aggregation of human washed platelets (IC_{50}=10 μM), prevents neointimal formation in balloon catheter-injured carotid arteries of spontaneously hypertensive rats (SHR), and reduces blood pressure in SHR. SCH 51866 can be used in the study of hypertension[1].	
IC_{50} & Target	PDE1 70 nM (IC_{50})	PDE5 60 nM (IC_{50})

REFERENCES

[1]. Vemulapalli S, et al. Antiplatelet and antiproliferative effects of SCH 51866, a novel type 1 and type 5 phosphodiesterase inhibitor[J]. Journal of cardiovascular pharmacology, 1996, 28(6): 862-869.

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