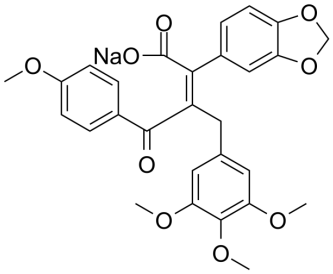
PD-156707

Cat. No.:	HY-123744
CAS No.:	162412-70-6
Molecular Formula:	$C_{28}H_{25}NaO_9$
Molecular Weight:	528.48
Target:	Endothelin Receptor
Pathway:	GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	PD-156707 is an orally active, nonpeptide and selective Endothelin-A receptor antagonist[1].
In Vitro	PD-156707 binds to human ETA receptors with an approximately 800-fold higher affinity than to human ET_B receptors[1]. PD-156707 inhibits functional responses to ET-1, including inositol phosphate production in Ltk cells expressing recombinant human ETA receptors (IC_{50} = 2.4 nM) and arachidonic acid release in rabbit renal artery VSMC cells (IC_{50} = 1.1 nM)[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Andrew C. G. Uprichard, et al. PD- 156707: A Selective Endothelin-A Receptor Antagonist. Cardiovascular Drug Reviews Vol. 16, No. 2, pp. 89-104.

[2]. D P Ignasiak, et al. Effects of endothelin ETA receptor antagonism with PD 156707 on hemodynamics and renal vascular resistance in rabbits. Eur J Pharmacol. 1997 Mar 5;321(3):295-300.

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