

PD 142893

Chemical Properties

CAS No. : 143037-36-9

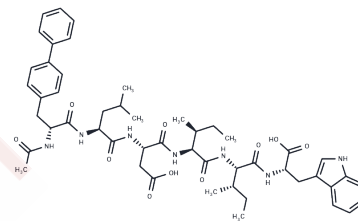
Formula: C₅₀H₆₅N₇O₁₀

Molecular Weight: 924.09

Keep away from moisture

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	PD 142893 is a functional endothelin-stimulated vasoconstriction antagonist.
Targets(IC50)	Endothelin Receptor,Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.0821 mL	5.4107 mL	10.8215 mL
5 mM	0.2164 mL	1.0821 mL	2.1643 mL
10 mM	0.1082 mL	0.5411 mL	1.0821 mL
50 mM	0.0216 mL	0.1082 mL	0.2164 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Zimmermann M, Vatter H, Weyrauch E, Lange BN, Krishnan R, Raabe A, Seifert V. Characterization of the potent combined endothelin(A/B)-antagonist PD 142893 on cerebral vessels. *Neurol Res.* 2004 Sep;26(6):692-7. PubMed PMID: 15327761.

Warner TD, Allcock GH, Mickley EJ, Corder R, Vane JR. Comparative studies with the endothelin receptor antagonists BQ-123 and PD 142893 indicate at least three endothelin receptors. *J Cardiovasc Pharmacol.* 1993;22 Suppl 8: S117-20. PubMed PMID: 7509920.

Schroeder RL, Keiser JA, Cheng XM, Haleen SJ. PD 142893, SB 209670, and BQ 788 selectively antagonize vascular endothelial versus vascular smooth muscle ET(B)-receptor activity in the rat. *J Cardiovasc Pharmacol.* 1998 Dec;32(6):935-43. PubMed PMID: 9869499.

Warner TD, Allcock GH, Corder R, Vane JR. Use of the endothelin antagonists BQ-123 and PD 142893 to reveal three endothelin receptors mediating smooth muscle contraction and the release of EDRF. *Br J Pharmacol.* 1993 Oct;110(2):777-82. PubMed PMID: 8242251; PubMed Central PMCID: PMC2175921.

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