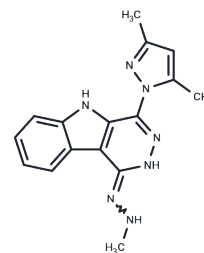


A 80b

Chemical Properties

CAS No. : 135561-94-3
 Formula: C₁₆H₁₇N₇
 Molecular Weight: 307.35
 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	A-80b is a synthesized pyridazino[4,5-b]indole derivate with potent and long-lasting antihypertensive activity. The decrease in diastolic pressure was greater than the decrease in systolic pressure and cardiac frequency was not modified significantly. A-80b shows dose-dependent inhibition of the Ca(2+)-induced contraction. Hypotensive and antihypertensive effect of A-80b possibly attributable to vasodilator activity via interference with Ca ²⁺ influx and probably Ca ²⁺ mobilization from intracellular stores.
Targets(IC50)	Others, Calcium Channel

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2536 mL	16.2681 mL	32.5362 mL
5 mM	0.6507 mL	3.2536 mL	6.5072 mL
10 mM	0.3254 mL	1.6268 mL	3.2536 mL
50 mM	0.0651 mL	0.3254 mL	0.6507 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

Frechilla D, Bernedo E, Castiella E, Lasheras B, Cenarruzabeitia E, Monge A, Aldana I, Alvarez T, Losa MJ, Font M. Antihypertensive and vasodilator effect of A-80b, a new pyridazino indole derivative. Eur J Pharmacol. 1992 Sep 4 ; 219(3):409-14. PubMed PMID: 1425969.

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