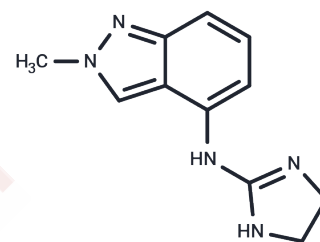


Indanidine

Chemical Properties

CAS No. :	85392-79-6
Formula:	C ₁₁ H ₁₃ N ₅
Molecular Weight:	215.25
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Indanidine is a highly selective and potent α -adrenergic agonist with antihypertensive activity. Indanidine is an α -adrenergic antagonist that can be used in the study of neurological disorders.
Targets(IC50)	Adrenergic Receptor
In vivo	The selective alpha 1-adrenoceptor agonist, Indanidine, exhibited partial agonist behavior in the aorta without inducing significant contractions in the small mesenteric artery. Considering that Idazoxan and Indanidine have been reported to increase blood pressure in pithed rats via vascular alpha 1-adrenoceptors, these findings question the reliability of the small mesenteric artery assay as a predictor for in vivo alpha 1-adrenoceptor-mediated pressor activity[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.6458 mL	23.2288 mL	46.4576 mL
5 mM	0.9292 mL	4.6458 mL	9.2915 mL
10 mM	0.4646 mL	2.3229 mL	4.6458 mL
50 mM	0.0929 mL	0.4646 mL	0.9292 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

Van der Graaf PH, et al. Analysis of the action of idazoxan calls into question the reliability of the rat isolated small mesenteric artery assay as a predictor for alpha 1-adrenoceptor-mediated pressor activity. Naunyn Schmiedebergs Arch Pharmacol. 1996 Aug-Sep;354(3):389-92.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481