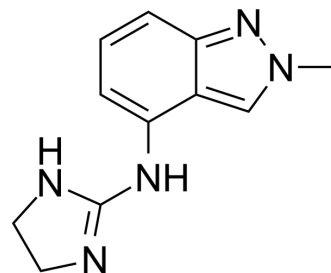


Indanidine

Cat. No.:	HY-101717
CAS No.:	85392-79-6
Molecular Formula:	C ₁₁ H ₁₃ N ₅
Molecular Weight:	215.25
Target:	Adrenergic Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Indanidine is an alpha-adrenergic agonist.
IC ₅₀ & Target	alpha-adrenergic ^[1]
In Vivo	The selective alpha 1-adrenoceptor agonist, Indanidine, also behaved as a partial agonist in the aorta and produced no significant contractions of the small mesenteric artery. Since Idazoxan and Indanidine have been reported to raise blood pressure in the pithed rat via an action at vascular alpha 1-adrenoceptors, these results call into question the reliability of the small mesenteric artery assay as a predictor for alpha 1-adrenoceptor-mediated pressor activity in vivo ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. 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.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA