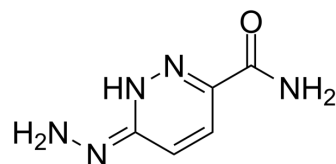


## Hydracarbazine

<b>Cat. No.:</b>	HY-121354
<b>CAS No.:</b>	3614-47-9
<b>Molecular Formula:</b>	C <sub>5</sub> H <sub>7</sub> N <sub>3</sub> O
<b>Molecular Weight:</b>	153.14
<b>Target:</b>	Others
<b>Pathway:</b>	Others
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Hydracarbazine is a pyridazine. Hydracarbazine can effectively lower blood pressure, it can be used for the research of high blood pressure <sup>[1][2]</sup> .
<b>In Vivo</b>	Hydracarbazine (1-4 mg/kg; i.v. once) induced in the dog, cat and rabbit hypotension by peripheral vasodilation, showed no inhibitory action on vasomotor centers and decreased the hypertensive effects of adrenaline, noradrenaline, 5-hydroxytryptamine, pituitrin, and splanchnic nerve stimulation <sup>[1]</sup> . Hydracarbazine (15-18 mg/kg; p.o. once daily) prevents the increased blood pressure and heart rate, reduces the renal histol and reduces the hypertensive syndrome with a combination of pempidine in high arterial pressure rats <sup>[2]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

- [1]. Schmitt H, et al. Pharmacological study of a new hypotensor with a long duration of action: 1-hydrazino-4-carboxamidopyridazine (1325). *Journal de Physiologie*. 1992 52:525-36.
- [2]. Ghaye-Roquet J, et al. [Prevention of experimental hypertension in the rat by prolonged administration of a combination of antihypertensive agents]. *Arch Int Pharmacodyn Ther*. 1967 Mar;166(1):65-78.

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**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](mailto:tech@MedChemExpress.com)

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