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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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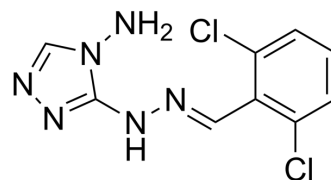
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Nebidrazine

Cat. No.:	HY-155297
CAS No.:	55248-23-2
Molecular Formula:	C ₉ H ₈ Cl ₂ N ₆
Molecular Weight:	271.11
Target:	Histamine Receptor
Pathway:	GPCR/G Protein; Immunology/Inflammation; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Nebidrazine is a centrally-acting hypotensive agent compared to clonidine, demonstrating weaker cardiovascular effects in rats. It induces dose-dependent hypotension and bradycardia when administered intracerebroventricularly (i.c.v.), with significantly lower sedative potential than clonidine in conscious rats. Yohimbine attenuates the cardiovascular effects of both Nebidrazine and clonidine, suggesting involvement of central alpha-autoreceptors sensitive to yohimbine. Unlike clonidine, Nebidrazine does not affect peripheral alpha-adrenoceptors in pithed rats, indicating a selective central mechanism. Chemical sympathectomy reduces Nebidrazine's cardiovascular effects more than clonidine's, and metiamide diminishes responses to both drugs, implicating central histamine receptors. These findings highlight Nebidrazine's distinct pharmacological profile and potential therapeutic application in managing hypertension through central alpha-autoreceptor stimulation^[1].

REFERENCES

[1]. A COMPARISON OF THE CARDIOVASCULAR AND SEDATIVE ACTIONS OF THE α -ADRENOCEPTOR AGONISTS, FLA-136 AND CLONIDINE, IN THE RAT

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

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