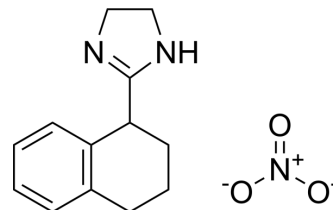


Tetrahydrozoline nitrate

Cat. No.:	HY-B0556B
CAS No.:	118201-38-0
Molecular Formula:	C ₁₃ H ₁₆ N ₃ O ₃ ⁻
Molecular Weight:	262.28
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

Tetrahydrozoline (Tetryzoline) nitrate, a derivative of imidazoline, is an α -adrenergic agonist that causes vasoconstriction. Tetrahydrozoline is widely used for the research of nasal congestion and conjunctival congestion^{[1][2]}.

REFERENCES

- [1]. E Kisilevsky, et al. Anterior and posterior segment vasculopathy associated with long-term use of tetrahydrozoline. CMAJ. 2018 Oct 9;190(40):E1208.
- [2]. Judy Peat, et al. Determination of tetrahydrozoline in urine and blood using gas chromatography-mass spectrometry (GC-MS). Methods Mol Biol. 2010;603:501-8.
- [3]. Danuta Nowakowska, et al. In vitro effects of vasoconstrictive retraction agents on primary human gingival fibroblasts. Exp Ther Med. 2020 Mar; 19(3): 2037-2044.

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

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