Overview

Product name: Tetrahydrozoline hydrochloride
Description: Alpha adrenoceptor agonist; Vasoconstrictor.
Biological description: Imidazoline derivative clinically used as a nasal and ophthalmic decongestant. Directly stimulates alpha adrenoceptors while exerting minimal to no effect on beta adrenoceptors. Vasoconstricts smaller arterioles after intranasal administration.

Properties

Chemical name: 4,5-Dihydro-2-(1,2,3,4-tetrahydro-1-naphthalenyl)-1H-imidazole hydrochloride
Molecular weight: 236.74
Chemical structure:

\[
\text{Molecular formula: } \text{C}_{13}\text{H}_{16}\text{N}_{2}\cdot\text{HCl}
\]
CAS Number: 522-48-5
Storage instructions: Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview: Soluble in DMSO to 50 mM, in water to 100 mM and in ethanol to 100 mM
Handling: Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.

Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.

Source: Synthetic

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE, NOT FOR USE IN HUMANS"

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