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Produktinformation



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Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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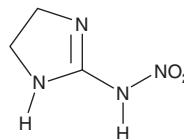
PRODUCT INFORMATION



2-Nitroamino-2-imidazoline

Item No. 36036

CAS Registry No.: 5465-96-3
Formal Name: 4,5-dihydro-N-nitro-1H-imidazol-2-amine
Synonyms: NSC 25961, NSC 65424, NSC 91792
MF: C₃H₆N₄O₂
FW: 130.1
Purity: ≥98%
UV/Vis.: λ_{max}: 266 nm
Supplied as: A solid
Storage: -20°C
Stability: ≥4 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

2-Nitroamino-2-imidazoline is supplied as a solid. A stock solution may be made by dissolving the 2-nitroamino-2-imidazoline in the solvent of choice, which should be purged with an inert gas. 2-Nitroamino-2-imidazoline is soluble in organic solvents such as DMSO and dimethyl formamide. The solubility of 2-nitroamino-2-imidazoline in these solvents is approximately 10 and 5 mg/ml, respectively.

Description

2-Nitroamino-2-imidazoline is an intermediate in the synthesis of the neonicotinoid insecticide imidacloprid (Item No. 24130).¹

Reference

1. Söftje, M., Acker, S., Plarre, R., *et al.* Novel nicotinoid structures for covalent modification of wood: An environmentally friendly way for its protection against insects. *RSC Adv.* **10(27)**, 15726-15733 (2020).

WARNING

THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the [complete](#) Safety Data Sheet, which has been sent via email to your institution.

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