



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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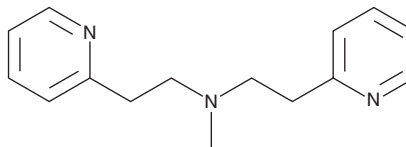
# PRODUCT INFORMATION



## NSC 19005

Item No. 32898

**CAS Registry No.:** 5452-87-9  
**Formal Name:** N-methyl-N-[2-(2-pyridinyl)ethyl]-  
2-pyridineethanamine  
**Synonym:** Betahistine Impurity C  
**MF:** C<sub>15</sub>H<sub>19</sub>N<sub>3</sub>  
**FW:** 241.3  
**Purity:** ≥95%  
**UV/Vis.:** λ<sub>max</sub>: 261 nm  
**Supplied as:** A neat oil  
**Storage:** -20°C  
**Stability:** ≥2 years



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

### Laboratory Procedures

NSC 19005 is supplied as a neat oil. A stock solution may be made by dissolving the NSC 19005 in the solvent of choice, which should be purged with an inert gas. NSC 19005 is soluble in organic solvents such as ethanol, DMSO, and dimethyl formamide. The solubility of NSC 19005 in these solvents is approximately 30 mg/ml.

NSC 19005 is sparingly soluble in aqueous buffers. For maximum solubility in aqueous buffers, NSC 19005 should first be dissolved in ethanol and then diluted with the aqueous buffer of choice. NSC 19005 has a solubility of approximately 0.12 mg/ml in a 1:7 solution of ethanol:PBS (pH 7.2) using this method. We do not recommend storing the aqueous solution for more than one day.

### Description

NSC 19005 is a potential impurity found in commercial preparations of betahistine.<sup>1</sup> It is a degradation product formed by exposure to oxidative, thermal, or photolytic stress.

### Reference

1. de Mello, M.B.M., de Oliveira, A.F., de Oliveira, C.L., *et al.* Characterization and *in silico* mutagenic assessment of a new betahistine degradation impurity. *J. Braz. Chem. Soc.* **30(7)**, 1415-1424 (2019).

#### 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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