



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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# PRODUCT INFORMATION



## Nonadecanoic Acid

Item No. 19723

**CAS Registry No.:** 646-30-0  
**Formal Name:** nonadecanoic acid  
**Synonyms:** Nonadecanoate, n-Nonadecanoic Acid, Nonadecylic Acid, NSC 11914

**MF:** C<sub>19</sub>H<sub>38</sub>O<sub>2</sub>

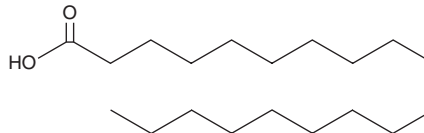
**FW:** 298.5

**Purity:** ≥95%

**Supplied as:** A crystalline solid

**Storage:** -20°C

**Stability:** As supplied, 2 years from the QC date provided on the Certificate of Analysis, when stored properly



### Laboratory Procedures

Nonadecanoic acid is supplied as a crystalline solid. A stock solution may be made by dissolving the nonadecanoic acid in the solvent of choice. Nonadecanoic acid is soluble in organic solvents such as ethanol, DMSO, and dimethyl formamide (DMF), which should be purged with an inert gas. The solubility of nonadecanoic acid in ethanol and DMF is approximately 25 mg/ml and approximately 10 mg/ml in DMSO.

Nonadecanoic acid is sparingly soluble in aqueous buffers. For maximum solubility in aqueous buffers, nonadecanoic acid should first be dissolved in DMF and then diluted with the aqueous buffer of choice. Nonadecanoic acid has a solubility of approximately 0.25 mg/ml in a 1:1 solution of DMF:PBS (pH 7.2) using this method. We do not recommend storing the aqueous solution for more than one day.

### Description

Nonadecanoic acid is a 19-carbon saturated fatty acid that is found in fats and vegetable oils. It has been shown to inhibit HL-60 cancer cell proliferation with an IC<sub>50</sub> value of 68 μM.<sup>1</sup>

### Reference

1. Fukuzawa, M., Yamaguchi, R., Hide, I., *et al.* Possible involvement of long chain fatty acids in the spores of *Ganoderma lucidum* (Reishi Houshi) to its anti-tumor activity. *Biol. Pharm. Bull.* **31(10)**, 1933-1937 (2008).

#### 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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