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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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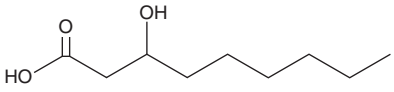
PRODUCT INFORMATION

3-hydroxy Nonanoic Acid

Item No. 24611

CAS Registry No.: 40165-87-5
Formal Name: 3-hydroxy-nonanoic acid
Synonyms: β-hydroxy Nonanoic acid
MF: $C_9H_{18}O_3$
FW: 174.2
Purity: ≥98%
Supplied as: A solid
Storage: -20°C
Stability: ≥2 years



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

Laboratory Procedures

3-hydroxy Nonanoic acid is supplied as a solid. A stock solution may be made by dissolving the 3-hydroxy nonanoic acid in the solvent of choice. 3-hydroxy Nonanoic acid is soluble in chloroform, ethanol, and methanol.

Description

3-hydroxy Nonanoic acid is a hydroxylated fatty acid that has been found in young peridioles of *Pisolithus* fungi, LPS from *P. aeruginosa*, bovine milk, and the methyl-branched poly(3-hydroxyalkanoate) (PHA) polymers produced by *P. oleovorans*.[1-4]

References

1. Campos, A.N.R., Costa, M.D., Tótola, M.R., *et al.* Total lipid and fatty acid accumulation during basidiospore formation in the ectomycorrhizal fungus *Pisolithus sp. R. Bras. Ci. Solo* **32(4)**, 1531-1540 (2008).
2. Uhlig, S., Negård, M., Heldal, K.K., *et al.* Profiling of 3-hydroxy fatty acids as environmental markers of endotoxin using liquid chromatography coupled to tandem mass spectrometry. *J. Chromatogr. A.* **1434**, 119-236 (2016).
3. Parks, O.W. Isolation and characterization of nonesterified 3-hydroxy acids in milk. *J. Dairy Sci.* **60(5)**, 718-720 (1977).
4. Hazer, B., Lenz, R.W., and Fuller, R.C. Biosynthesis of methyl-branched poly(β-hydroxyalkanoate)s by *Pseudomonas oleovorans*. *Macromol.* **27(1)**, 45-49 (1994).

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