



# 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

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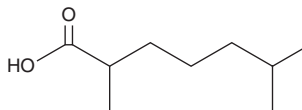
# PRODUCT INFORMATION



## DL-2,6-dimethyl Heptanoic Acid

Item No. 24822

**CAS Registry No.:** 7494-12-4  
**Formal Name:** 2,6-dimethyl-heptanoic acid  
**Synonym:** 2,6-Dimethyl C7:0 Fatty Acid  
**MF:** C<sub>9</sub>H<sub>18</sub>O<sub>2</sub>  
**FW:** 158.2  
**Purity:** ≥98%  
**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

DL-2,6-dimethyl Heptanoic acid is supplied as a neat oil. A stock solution may be made by dissolving the DL-2,6-dimethyl heptanoic acid in the solvent of choice. DL-2,6-dimethyl Heptanoic acid is soluble in the organic solvent chloroform, which should be purged with an inert gas.

### Description

DL-2,6-dimethyl Heptanoic acid is an aliphatic branched acid that inhibits the growth of *V. fischeri* (EC<sub>50</sub> = 17 μM).<sup>1</sup> It is a building block in the synthesis of 2,6-dimethyl heptanoyl-CoA, a substrate of acyl-CoA dehydrogenase.<sup>2</sup>

### References

1. Jones, D., Scarlett, A.G., West, C.E., *et al.* Toxicity of individual naphthenic acids to *Vibrio fischeri*. *Environ. Sci. Technol.* **45(22)**, 9776-9782 (2011).
2. Sobhi, H.F., Minkler, P.E., and Hoppel, C.L. Synthesis and characterization of *cis*-4-decenoyl-CoA, 3-phenylpropionyl-CoA, and 2,6-dimethylheptanoyl-CoA. *Anal. Biochem.* **401(1)**, 114-124 (2010).

#### 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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