Heneicosanoic Acid
Item No. 22593

CAS Registry No.: 2363-71-5
Formal Name: heneicosanoic acid
Synonyms: C21:0, Heneicosylic Acid
MF: C_{21}H_{42}O_2
FW: 326.6
Purity: ≥98%
Supplied as: A crystalline 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

Heneicosanoic acid is supplied as a crystalline solid. A stock solution may be made by dissolving the heneicosanoic acid in the solvent of choice. Heneicosanoic acid is soluble in the organic solvent ethanol, which should be purged with an inert gas, at a concentration of approximately 20 mg/ml.

Heneicosanoic acid is sparingly soluble in aqueous buffers. For maximum solubility in aqueous buffers, heneicosanoic acid should first be dissolved in ethanol and then diluted with the aqueous buffer of choice. Heneicosanoic acid has a solubility of approximately 0.5 mg/ml in a 1:1 solution of ethanol:PBS (pH 7.2) using this method. We do not recommend storing the aqueous solution for more than one day.

Description

Heneicosanoic acid is a very long-chain saturated fatty acid found in plants and animals, including human milk fat.\(^1\)\(^3\) It is also found in *R. typhi* and *R. prowazaekii* lipopolysaccharides.\(^4\)

References