**PRODUCT INFORMATION**

2-fluoro Palmitic Acid
Item No. 90380

Cas Registry No.: 16518-94-8
Formal Name: 2-fluorohexadecanoic acid
Synonyms: 2-fluoro Hexadecanoate, 2-fluoro Palmitate
MF: C\text{\textsubscript{16}}H\text{\textsubscript{31}}FO\text{\textsubscript{2}}
FW: 274.4
Purity: ≥95%
Supplied as: A crystalline solid
Storage: -20°C
Stability: ≥1 year

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

**Laboratory Procedures**

2-fluoro Palmitic acid is supplied as a crystalline solid. A stock solution may be made by dissolving the 2-fluoro palmitic acid in the solvent of choice. 2-fluoro Palmitic acid is soluble in organic solvents such as ethanol, DMSO, and dimethyl formamide, which should be purged with an inert gas.

**Description**

2-fluoro Palmitic acid inhibits sphingosine biosynthesis and long-chain acyl-CoA synthetase with an IC\textsubscript{50} value of 0.2 mM.\textsuperscript{1}

**Reference**