
Product Data Sheet

Product Name: Phytanic Acid

Cat. No.: GC18486

Chemical Properties

Cas. No. 14721-66-5

Chemical Name 3,7,11,15-tetramethylhexadecanoic acid

SMILES CC(CCCC(C)CCCC(C)C)CCCC(C)CC(=O)OFormula $C_{20}H_{40}O_2$

M.Wt 312.5

Solubility 0.15 M Tris-HCl pH 8.5: >1 mg/ml (from Oleic Acid),DMF:
>100 mg/ml (from Oleic Acid),DMSO: >100 mg/ml (from Oleic
Acid),Ethanol: >100 mg/ml (from Oleic Acid),PBS pH 7.2:
<100 μ g/ml (from Oleic Acid)

Store
Storage at -
20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

Phytanic acid is a saturated 20-carbon branched-chain fatty acid which can only be derived from dietary sources. In cases of peroxisomal disorders, elevated levels of phytanic acid have been observed, and this is linked to diseases such as infantile phytanic acid storage disease and Refsum's disease.

Caution: Product has not been fully validated for medical applications. For research use only.

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