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**Product Data Sheet**


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Product Name: Furan Fatty Acid F5

Cat. No.: GC18801

**Chemical Properties**

Cas. No. 57818-37-8

Chemical Name 3-methyl-5-pentyl-2-furanundecanoic acid

SMILES CC1=C(CCCCCCCCCC(O)=O)OC(CCCCC)=C1Formula  $C_{21}H_{36}O_3$ 

M.Wt 336.5

Solubility Chloroform: Slightly Soluble, Methanol: Slightly Soluble

Storage Store 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**

Furan Fatty Acid F5 is one of the most prevalent furan fatty acids of natural origin and is associated with Omega-3 fatty acids. Furan Fatty Acid F5 is particularly abundant in fish oils, which may be linked to the cardioprotective effects associated with fish consumption<sup>[1]</sup>.

## References:

[1] Furan Fatty Acid F5 and Omega-3 fatty acids in fish oils and their potential health benefits. Knight W D, Smith T W A. OPTIMIZED SYNTHESSES OF THE FURAN FATTY ACIDS F5 AND F6 FEATURING CONVERSION OF A P-IODOFURAN INTO A β-METHYLFURAN IN A SINGLE OPERATION[J]. Heterocycles: An International Journal for Reviews and Communications in Heterocyclic Chemistry, 2012, 84(1):361-369.

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

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