

## Product Data Sheet

Product Name: Icosabutate

Cat. No.: GC40485

### Chemical Properties

Cas. No. 1253909-57-7

SMILES CC/C=C\C/C/C=C\C/C/C=C\C/C/C=C\C/C/C=C\CCCCOC(CC)C(O)=O

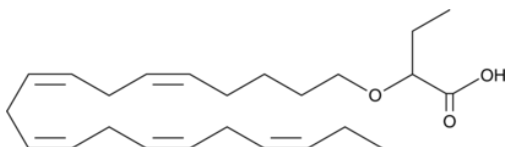
Formula C<sub>24</sub>H<sub>38</sub>O<sub>3</sub> M.Wt 374.6

Solubility 0.1 M Na<sub>2</sub>CO<sub>3</sub>: 1.7 mg/ml, DMF: 100 mg/ml, DMSO: 100 mg/ml, Ethanol: miscible  
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

Icosabutate is a synthetic  $\omega$ -3 polyunsaturated fatty acid derived from eicosapentaenoic alcohol and 2-bromo butyric acid. It was designed to resist  $\beta$ -oxidation and complex lipid incorporation and increase efficacy in fatty acid-responsive intracellular signaling systems. In a clinical trial, oral administration of icosabutate (600 mg) significantly reduced triglyceride, very low-density lipoprotein cholesterol, and Apo c-III levels in patients with very high triglyceride levels.

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

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