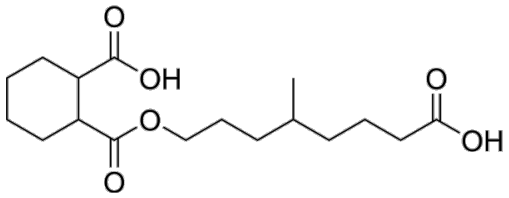
Product Data Sheet

Product Name: 1,2-Cyclohexanedicarboxylic acid mono 4-methyl-7-carboxy-heptyl ester
Cat. No.: GC79608

Chemical Properties

Cas. No.	1637562-51-6		
Formula	$C_{17}H_{28}O_6$	M.Wt	328.4
Solubility		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

1,2-Cyclohexanedicarboxylic Acid Mono 4-Methyl-7-carboxy-heptyl Ester is a secondary oxidized metabolite of di(isononyl) cyclohexane-1,2-dicarboxylate (DINCH), an alternative for phthalate plasticizer.

References:

[1]. Schütze A, Pälmke C, Angerer J, Weiss T, Brüning T, Koch HM. Quantification of biomarkers of environmental exposure to di(isononyl)cyclohexane-1,2-dicarboxylate (DINCH) in urine via HPLC-MS/MS. J Chromatogr B Analyt Technol Biomed Life Sci. 2012;895-896:123-130.

Caution: Product has not been fully validated for medical applications. For research use only.
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[2]. Rodríguez-Carrillo A, Remy S, Koppen G, et al. Urinary phthalate/DINCH metabolites associations with kisspeptin and reproductive hormones in teenagers: A cross-sectional study from the HBM4EU aligned studies. Sci Total Environ. 2024;929:172426.

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