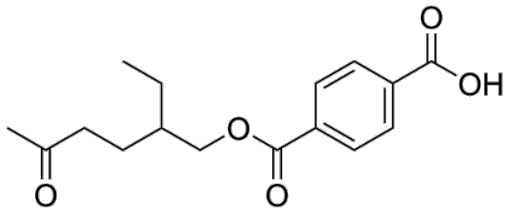
Product Data Sheet

Product Name: 5Oxo-MEHTP
Cat. No.: GC79602

Chemical Properties

Cas. No.	1684398-40-0		
Formula	$C_{16}H_{20}O_5$	M.Wt	292.33
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

5Oxo-MEHTP is an urinary metabolite of di(2-ethylhexyl) terephthalate (DEHTP). 5Oxo-MEHTP is predominantly excreted in glucuronidated form via urine [1] [2].

In Vitro, 5Oxo-MEHTP can be used as a specific urinary biomarker for DEHTP exposure in humans[1].

References:
[1]. Lessmann F, et al. Determination of metabolites of di(2-ethylhexyl) terephthalate (DEHTP) in

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human urine by HPLC-MS/MS with on-line clean-up. J Chromatogr B Analyt Technol Biomed Life Sci. 2016;1011:196-203.
[2]. Lessmann F, et al. Metabolism and urinary excretion kinetics of di(2-ethylhexyl) terephthalate (DEHTP) in three male volunteers after oral dosage. Arch Toxicol. 2016;90(7):1659-1667.

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