
Product Data Sheet

Product Name: Methyl cyclohexanecarboxylate

Cat. No.: GC61053

Chemical Properties

Cas. No. 4630-82-4

SMILES O=C(C1CCCCC1)OCFormula $C_8H_{14}O_2$

M.Wt 142.2

Solubility DMF: 30 mg/ml, DMSO: 30 mg/ml, Ethanol: 30 mg/ml Storage Store at $-20^{\circ}C$

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

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

Structure **Background**

Methyl cyclohexanecarboxylate is an aliphatic ester that has been used in a variety of chemical synthesis studies, including the preparation of primary amides and reduction of esters to alcohols.^{1,2}

1. Prasanth, C.P., Ebbin, J., Abhijith, A., et al. Stabilization of $NaBH_4$ in methanol using a catalytic amount of $NaOMe$. Reduction of esters and lactones at room temperature without solvent-induced loss of hydride. *J. Org. Chem.* 83(3)1431-1440(2018) 2. Veitch, G.E., Bridgwood, K.L., and Ley, S.V. Magnesium nitride as a convenient source of ammonia: Preparation of primary amides. *Org. Lett.* 10(16)3623-3625(2008)

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

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