
Product Data Sheet

Product Name: 3-Hydroxyacetophenone

Cat. No.: GC61707

Chemical Properties

Cas. No. 121-71-1

SMILES CC(C1=CC=CC(O)=C1)=OFormula C₈H₈O₂

M.Wt 136.15

Solubility DMSO : 100 mg/mL (734.48 mM; Need ultrasonic) 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**

3-Hydroxyacetophenone (m-Hydroxyacetophenone) is the hydroxy-substituted alkyl phenyl ketone that can be used in synthesis of enantiopure (-)-rivastigmine[1][2].

[1]. Katharine Moore Tibbetts, et al. Controlling dissociation of alkyl phenyl ketone radical cations in the strong-field regime through hydroxyl substitution position. J Phys Chem A. 2014 Sep 18;118(37):8170-6. [2]. Kiwon Han, et al. Chemoenzymatic synthesis of rivastigmine via dynamic kinetic resolution as a key step. J Org Chem. 2010 May 7;75(9):3105-8.

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

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