

Product Data Sheet

Product Name: 3-Hydroxy-4-methyl-2(5H)-thiophenone

Cat. No.: GC49819

Chemical Properties

Cas. No. 34876-35-2

SMILES O=C1SCC(C)=C1O

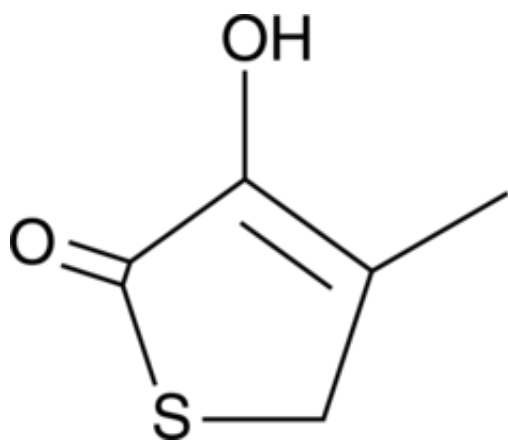
Formula C5H6O2S M.Wt 130.2

Solubility DMF: 3 mg/ml, DMSO: 5 mg/ml, Ethanol: 5 mg/ml, PBS (pH 7.2): 1 mg/ml Storage -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-Hydroxy-4-methyl-2(5H)-thiophenone is a degradation product of the cephalosporin antibiotic cefaclor.¹ It is formed from cefaclor under aqueous acidic conditions.

1. Baertschi, S.W., Dorman, D.E., Occolowitz, J.L., et al. Isolation and structure elucidation of the major degradation products of cefaclor formed under aqueous acidic conditions. J. Pharm. Sci. 86(5):526-539 (1997)

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

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