

Product Data Sheet

Product Name: 7-Hydroxy-3,4-dihydro-2(1H)-quinolinone

Cat. No.: GC35192

Chemical Properties

Cas. No. 22246-18-0

SMILES O=C1NC2=C(C=CC(O)=C2)CC1

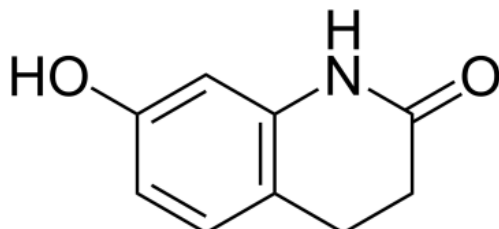
Formula C9H9NO2 M.Wt 163.17

Solubility Soluble in DMSO 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

7-Hydroxy-3,4-dihydro-2(1H)-quinolinone (3,4-Dihydro-7-hydroxy-2(1H)-quinolinone) is a weak MAO-A inhibitor, with an IC₅₀ of 183 µM, and has no effect on MAO-B[1]. IC₅₀: 183 µM (MAO-A)[1]

7-Hydroxy-3,4-dihydro-2(1H)-quinolinone is a weak MAO-A inhibitor, with an IC₅₀ of 183 µM, and has no effect on MAO-B[1].

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

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[1]. Meiring L, et al. Inhibition of monoamine oxidase by 3,4-dihydro-2(1H)-quinolinone derivatives. Bioorg Med Chem Lett. 2013 Oct 15;23(20):5498-502.

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