

Product Data Sheet

Product Name: Desethyl Hydroxychloroquine

Cat. No.: GC47192

Chemical Properties

Cas. No. 4298-15-1

SMILES C1C=CC2=C(C=C1)C(NC(C)CCCNCCO)=CC=N2

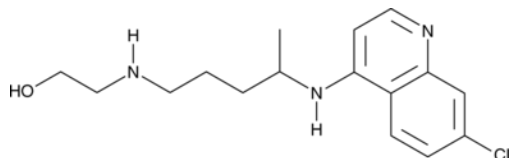
Formula C₁₆H₂₂ClN₃O M.Wt 307.8

Solubility DMF: soluble, DMSO: soluble, Methanol: soluble Storage Store at -20°C

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

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

Structure



Background

Desethyl hydroxychloroquine is an active metabolite of hydroxychloroquine.¹ It is formed *via* the desethylation of hydroxychloroquine in the liver, a process mediated by the cytochrome P450 (CYP) isoforms CYP2D6, CYP3A4, CYP3A5, and CYP2C8.

1. Charlier, B., Pingeon, M., Dal Piaz, F., et al. Development of a novel ion-pairing HPLC-FL method for the separation and quantification of hydroxychloroquine and its metabolites in whole blood. *Biomed. Chromatogr.* 32(8):e4258 (2018)

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

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