

Product Data Sheet

Product Name: (S)-Hydroxychloroquine (sulfate)

Cat. No.: GC49067

Chemical Properties

Cas. No. 155204-09-4

SMILES OCCN(CC)CCC[C@H](C)NC1=CC=NC2=C1C=CC(Cl)=C2.O=S(O)(O)=O

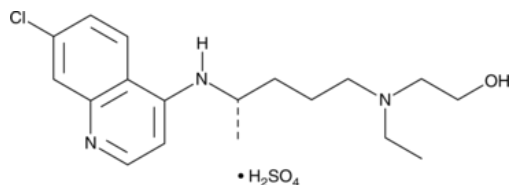
Formula C18H26ClN3O.H2SO4 M.Wt 434

Solubility DMSO: soluble, Methanol: Storage -20°C
soluble, Water: soluble

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

(S)-Hydroxychloroquine is an isomer of hydroxychloroquine.¹ (S)-Hydroxychloroquine (2.5-20 mg/ml) reduces the rate of insulin degradation in isolated liver homogenates from non-diabetic and diabetic rats. Formulations containing hydroxychloroquine have been used in the prevention or treatment of malaria, as well as in the treatment of rheumatoid arthritis and systemic lupus erythematosus.

1. Emami, J., Pasutto, F.M., Mercer, J.R., et al. Inhibition of insulin metabolism by hydroxychloroquine and its enantiomers in cytosolic fraction of liver homogenates from healthy and diabetic rats. *Life Sci.* 64(5):325-335 (1999)

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

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