

Product Data Sheet

Product Name: Hydroxychloroquine

Cat. No.: GC62055

Chemical Properties

Cas. No. 118-42-3

SMILES C1C=CC=C2C(NC(CCCN(CCO)CC)C)=CC=NC2=C1

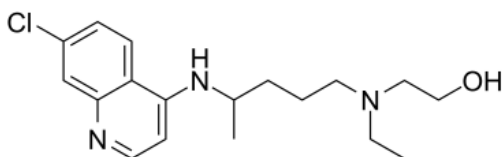
Formula $C_{18}H_{26}ClN_3O$ M.Wt 335.87

Solubility DMSO : ≥ 100 mg/mL (297.73 mM); Storage Store at -20°C
1M HCl : 100 mg/mL (297.73 mM;
adjust pH to 2 with HCl); H₂O : 1.67
mg/mL (4.97 mM; ultrasonic and
warming and heat to 60°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

Hydroxychloroquine is a synthetic antimalarial agent which can also inhibit Toll-like receptor 7/9

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

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(TLR7/9) signaling. Hydroxychloroquine is efficiently inhibits SARS-CoV-2 infection in vitro[1][2][3].

[1]. Manzo C, et al. Psychomotor Agitation Following Treatment with Hydroxychloroquine. Drug Saf Case Rep. 2017 Dec;4(1):6.

[2]. Lamphier M, et al. Novel small molecule inhibitors of TLR7 and TLR9: mechanism of action and efficacy in vivo. Mol Pharmacol. 2014 Mar;85(3):429-40.

[3]. Yao X, et al. In Vitro Antiviral Activity and Projection of Optimized Dosing Design of Hydroxychloroquine for the Treatment of Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2). Clin Infect Dis. 2020 Mar 9. pii: ciaa237.

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