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**Product Data Sheet**

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Product Name: 7-Chloro-4-(piperazin-1-yl)quinoline

Cat. No.: GC62651

**Chemical Properties**

Cas. No. 837-52-5

Formula  $C_{13}H_{14}ClN_3$ 

M.Wt 247.72

Solubility DMSO : 16.67 mg/mL (67.29 mM; ultrasonic and warming and heat to 60°C)

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-Chloro-4-(piperazin-1-yl)quinolone is an important scaffold in medicinal chemistry. 7-Chloro-4-(piperazin-1-yl)quinolone is a potent sirtuin inhibitor and also inhibits the serotonin uptake (IC<sub>50</sub> of 50 μM). 7-Chloro-4-(piperazin-1-yl)quinolone exhibits antimalarial activity on D10 and K1 strains of *P. falciparum* with IC<sub>50</sub>s of 1.18 μM and 0.97 μM, respectively[1].

[1]. Aida M Abd El-Sattar El-Azzouny, et al. Structural and biological survey of 7-chloro-4-(piperazin-1-yl)quinoline and its derivatives. *Drug Dev Res.* 2020 Nov;81(7):786-802.

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

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