

Product Data Sheet

Product Name: Antimalarial agent 33

Cat. No.: GC71332

Chemical Properties

Cas. No.

Formula $C_{17}H_{17}N_3OS$

M.Wt 311.4

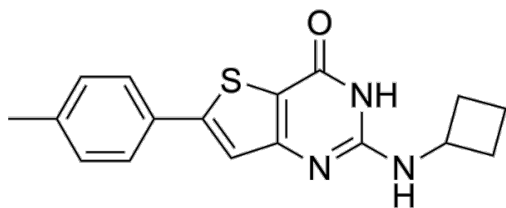
Solubility DMSO : 5 mg/mL (16.06 mM);
ultrasonic and warming and heat to
60°C; Hygroscopic DMSO has a
significant impact on the solubility of
product, please use newly opened
DMSO)

Storage 4°C, protect from light

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

Antimalarial agent 33 (compound 5g) has antiplasmodial activity against erythrocytic and hepatic stages of Plasmodium with an EC₅₀ of 1.1 μM for K1 P. falciparum strain. Antimalarial agent 33 demonstrates enhanced microsomal stability (T_{1/2}=29 min). Antimalarial agent 33 has no significant

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

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cytotoxicity against primary hepatocytes.

References:

[1]. Prisca Lagardère, et al. Novel thienopyrimidones targeting hepatic and erythrocytic stages of Plasmodium parasites with increased microsomal stability. Eur J Med Chem. 2023 Dec 5;261:115873.

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