
Product Data Sheet

Product Name: Tetroxoprim

Cat. No.: GC63612

Chemical Properties

Cas. No. 53808-87-0

Formula $C_{16}H_{22}N_4O_4$

M.Wt 334.37

Solubility DMSO : 16.67 mg/mL (49.85 mM; ultrasonic and warming and heat to 60°C)

Storage 4°C, protect from light, stored under nitrogen

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**

Tetroxoprim is an antimicrobial DHFR inhibitor[1].

Tetroxoprim brings about a 50% in vitro inhibition with E. coli, at a concentration of $4 \times 10^{-9}M$ [1].

[1]. H S Aschhoff, et al. Tetroxoprim--a new inhibitor of bacterial dihydrofolate reductase. J Antimicrob Chemother. 1979 Nov;5(B):19-25.

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

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