

## Product Data Sheet

Product Name: Clofazimine

Cat. No.: GC13195

### Chemical Properties

Cas. No. 2030-63-9

Chemical Name N,5-bis(4-chlorophenyl)-3-propan-2-yliminophenazin-2-amine

SMILES CC(C)N=C1C=C2C(=NC3=CC=CC=C3N2C4=CC=C(C=C4)Cl)C=C1NC5=CC=C(C=C5)Cl

Formula  $C_{27}H_{22}Cl_2N_4$

M.Wt 473.4

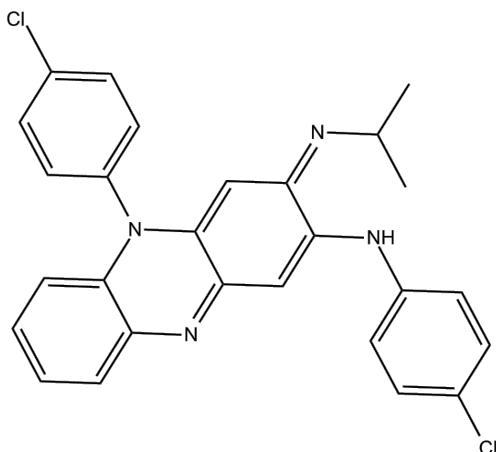
Solubility  $\geq 7\text{mg/mL}$  in DMSO with gentle warming

Storage  $4^\circ\text{C}$ , protect from light

General tips For obtaining a higher solubility, please warm the tube at  $37^\circ\text{C}$  and shake it in the ultrasonic bath for a while. Stock solution can be stored below  $-20^\circ\text{C}$  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

Clofazimine is a fat-soluble iminophenazine dye, has a marked anti-inflammatory effect, has been used in combination with other antimycobacterial drugs to treat AIDS and Crohn's disease.

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

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### References:

- [1]. Arbiser JL, et al. Clofazimine: a review of its medical uses and mechanisms of action. J Am Acad Dermatol. 1995 Feb;32(2 Pt 1):241-7.
- [2]. Cholo MC, et al. Clofazimine: current status and future prospects. J Antimicrob Chemother. 2012 Feb;67(2):290-8.

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