
Product Data Sheet

Product Name: Clozic (ICI 55897)

Cat. No.: GC31931

Chemical Properties

Cas. No. 22494-47-9

SMILES CC(C)(OCC1=CC=C(C2=CC=C(Cl)C=C2)C=C1)C(O)=OFormula $C_{17}H_{17}ClO_3$ M.Wt 304.77

Solubility Soluble in DMSO 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 **Protocol****Cell experiment:**

Approximately 3×10^4 to 5×10^4 cells/mL medium are seeded into 24-well plates and incubated at 37°C in a humidified atmosphere of 95% air/5% CO₂. Medium is replaced with fresh medium containing 20% foetal calf serum and methanol or Clozic under investigation. Cell numbers are determined in replicate wells on various days during culture growth[1].

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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References:

[1]. Foster SJ, et al. Anti-proliferative properties of Clozic, a disease-modifying anti-arthritic agent. *Biochem Pharmacol.* 1983 Feb 1;32(3):461-7.

Background

Clozic is a potential anti-arthritic agent.

Clozic is a potential anti-arthritic agent. Concentrations of Clozic greater than 50 μM cause a dose-dependent decrease in the amount of matrix protein synthesized by RHMC cell cultures. Inhibition of RHMC cell culture growth by Clozic occurs in a dose-dependent manner. The anti-proliferative effect of Clozic on RHMC cell growth is reversible. Lactate dehydrogenase (LDH) levels in media taken from RHMC cell cultures exposed to 500 μM Clozic for 3 days do not significantly differ from LDH levels in control cell culture media[1].

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