
Product Data Sheet

Product Name: Zuclomiphene citrate

Cat. No.: GC61390

Chemical Properties

Cas. No. 7619-53-6

SMILES Cl/C(C1=CC=CC=C1)=C(C2=CC=C(OCCN(CC)CC)C=C2)/C3=CC=CC=C3.O=C(CC(C(O)=O)(O)CC(O)=O)O

Formula C₃₂H₃₆ClNO₈

M.Wt 598.08

Solubility DMSO : 100 mg/mL (167.20 mM; Need ultrasonic)

Storage Store at -20°C

General For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the tips ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Evaluation sample solution : ship with blue ice All other available size: ship with RT , or Condition blue ice upon request.

Structure

Background

Zuclomiphene citrate is a cis isomer of Clomiphene citrate. Zuclomiphene citrate has an antiestrogenic effect and can inhibit the secretion of luteinizing hormone (LH) more than the trans isomer. Zuclomiphene citrate is also an orally active hypocholesterolemic agent[1][2][3][4].

[1]. Fontenot GK, et al. Differential effects of isomers of clomiphene citrate on reproductive tissues in male mice. BJU Int. 2016 Feb;117(2):344-50. [2]. Mikkelson TJ, et al. Single-dose pharmacokinetics of clomiphene citrate in normal volunteers. Fertil Steril. 1986 Sep;46(3):392-6. [3]. Sutherland RL. Estrogen antagonists in chick oviduct: antagonist activity of eight synthetic triphenylethylene derivatives and their interactions with cytoplasmic and nuclear estrogen receptors. Endocrinology. 1981 Dec;109(6):2061-8. [4]. Ramsey RB, et al. The biochemical and morphological response of hydrolytic enzymes in the developing brain to hypocholesterolemic agents. Acta Neuropathol. 1980;49(2):89-94.

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

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