
Product Data Sheet

Product Name: Zuclomiphene D4 citrate

Cat. No.: GC61391

Chemical Properties

Cas. No.

SMILES Cl/C(C1=CC=CC=C1)=C(C2=CC=C(OC([2H])([2H])C([2H])([2H])N(CC)CC)C=C2)/C3=CC=CC=C3.O=C(CC(C(O)=O)(O)CC(O)=O)OFormula $C_{32}H_{32}D_4ClNO_8$ M.Wt 602.11

Solubility 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

Background

Zuclomiphene D4 citrate is a deuterium labeled Zuclomiphene 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]. Mikkelsen 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.

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

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