

Product Data Sheet

Product Name: LY43578

Cat. No.: GC70453

Chemical Properties

Cas. No. 26766-35-8

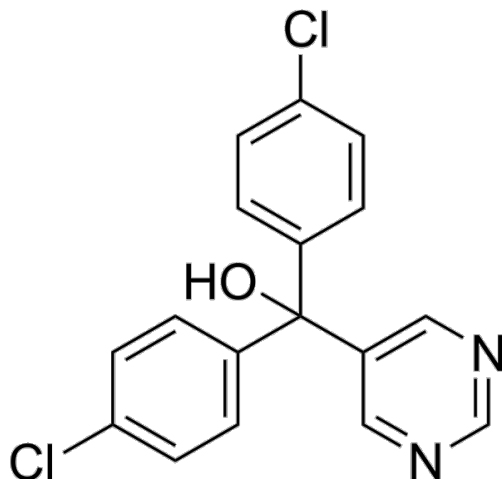
Formula $C_{17}H_{12}Cl_2N_2O$ M.Wt 331.2

Solubility DMSO : 100 mg/mL (301.93 mM); Storage -20°C
Need ultrasonic; Hygroscopic DMSO has a significant impact on the solubility of product, please use newly opened DMSO)

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

LY43578 is an orally active aromatase inhibitor. LY43578 inhibits P-450-dependent p-nitroanisole O-demethylation and ethylmorphine N-demethylation in hepatic microsomes isolated from rat, with the IC₅₀ of 0.3 and 5 μM, respectively. LY43578 can be used for neurological disorder study.

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

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References:

- [1]. Lindstrom TD, et al. Disposition of the aromatase inhibitor LY56110 and associated induction and inhibition studies in rats, dogs, and monkeys. *Fundam Appl Toxicol.* 1987;8(4):595-604.
- [2]. Gonzalez MI, et al. Injection of an aromatase inhibitor after the critical period of sexual differentiation. *Pharmacol Biochem Behav.* 1994;47(1):183-186.

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