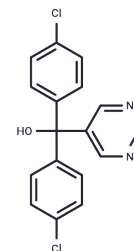


LY 43578

Chemical Properties

CAS No. : 26766-35-8
 Formula: C₁₇H₁₂Cl₂N₂O
 Molecular Weight: 331.2
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
 Actual storage temperature shall be subject to the COA.



Biological Description

Description	LY 43578 is an orally active aromatase inhibitor. LY43578 could inhibit O-demethylation of P-450-dependent p-nitroanisole and N-demethylation of ethylmorphine (IC ₅₀ of 0.3 and 5 μm, respectively) in rat liver microsomes. LY 43578 can be used to study neurological and cardiovascular diseases.
Targets(IC ₅₀)	Aromatase,Cytochromes P450,Monoamine Oxidase

Solubility Information

Solubility	DMSO: 45 mg/mL (135.87 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0193 mL	15.0966 mL	30.1932 mL
5 mM	0.6039 mL	3.0193 mL	6.0386 mL
10 mM	0.3019 mL	1.5097 mL	3.0193 mL
50 mM	0.0604 mL	0.3019 mL	0.6039 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

- 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 May;8(4):595-604.
- Gonzalez MI, et al. Injection of an aromatase inhibitor after the critical period of sexual differentiation. *Pharmacol Biochem Behav.* 1994 Jan;47(1):183-6.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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