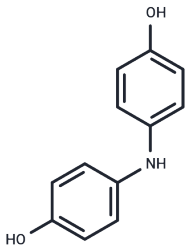
Data Sheet (Cat.No.T13507)

TargetMol

4,4'-Iminodiphenol

Chemical Properties



CAS No. : 1752-24-5

Formula: C12H11NO2

Molecular Weight: 201.22

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	4,4'-Iminodiphenol (Leucoindophenol) is an inactive estrogen receptor ligand with a diphenylamine backbone.
Targets(IC50)	Estrogen Receptor/ERR,Estrogen/progestogen Receptor

Solubility Information

Solubility	DMSO: 55 mg/mL (273.33 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: 2.5 mg/mL (12.42 mM),Sonication is recommended. *Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.9697 mL	24.8484 mL	49.6968 mL
5 mM	0.9939 mL	4.9697 mL	9.9394 mL
10 mM	0.497 mL	2.4848 mL	4.9697 mL
50 mM	0.0994 mL	0.497 mL	0.9939 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

Ohta, K., et al. Promising core structure for nuclear receptor ligands:Design and synthesis of novel estrogen receptor ligands based on diphenylamine skeleton. Bioorganic & Medicinal Chemistry Letters.2008;18(18), 5050-5053.

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481