

PIR 3.5

Chemical Properties

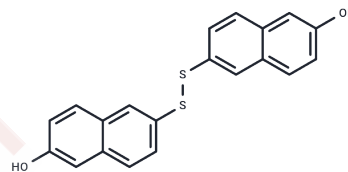
CAS No. : 6088-51-3

Formula: C₂₀H₁₄O₂S₂

Molecular Weight: 350.45

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	PIR 3.5 (6,6'-Dithiodi(2-naphthol)) is a negative control of IPA 3 which is a Pak1 inhibitor.
Targets(IC50)	PAK

Solubility Information

Solubility	DMSO: 60 mg/mL (171.21 mM),Sonication is recommended. Ethanol: < 1 mg/mL (insoluble or slightly soluble)(2.85 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 2.5 mg/mL (7.13 mM),Sonication is recommended. <i>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.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8535 mL	14.2674 mL	28.5347 mL
5 mM	0.5707 mL	2.8535 mL	5.7069 mL
10 mM	0.2853 mL	1.4267 mL	2.8535 mL
50 mM	0.0571 mL	0.2853 mL	0.5707 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

Nöhammer G. Quantitative microspectrophotometrical determination of protein thiols and disulfides with 2,2'-dihydroxy-6,6'-dinaphthyldisulfide (DDD). The variety of DDD-staining methods demonstrated on Ehrlich ascites tumor cells. Histochemistry. 1982;75(2):219-50.

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