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Print Date: Jan 15th 2016

Certificate of Analysis

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Product Name: **PIR 3.5** **Catalog No.: 4212** **Batch No.: 1**

CAS Number: 6088-51-3 EC Number: 228-025-4

IUPAC Name: 6,6'-Dithiodi-2-naphthtol

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: $C_{20}H_{14}O_2S_2$

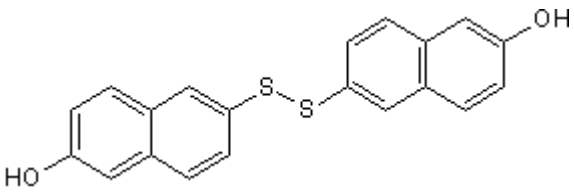
Batch Molecular Weight: 350.45

Physical Appearance: Off-white solid

Solubility: DMSO to 75 mM
ethanol to 10 mM

Storage: Store at +4°C

Batch Molecular Structure:



2. ANALYTICAL DATA

Melting Point: At 226°C

HPLC: Shows 98.8% purity

^{1}H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	68.55	4.03	
Found	68.57	4.07	

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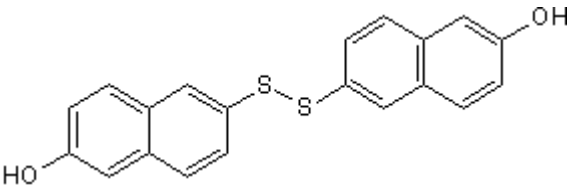
Catalog No.: 4212 **Batch No.: 1**
CAS Number: 6088-51-3
EC Number: 228-025-4
IUPAC Name: 6,6'-Dithiodi-2-naphthtol

Description:
Negative control of IPA 3 (Cat. No. 3622) a direct, non-competitive inhibitor of group I p21-activated kinase (Pak1).

Physical and Chemical Properties:
Batch Molecular Formula: $C_{20}H_{14}O_2S_2$
Batch Molecular Weight: 350.45
Physical Appearance: Off-white solid

Minimum Purity: >98%

Batch Molecular Structure:



Storage: Store at +4°C

Solubility & Usage Info:
DMSO to 75 mM
ethanol to 10 mM

Stability and Solubility Advice:
Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

References:
Deacon *et al* (2008) An isoform-selective, small-molecule inhibitor targets the autoregulatory mechanism of p21-activated kinase. Chem.Biol. ***15*** 322. PMID: 18420139.