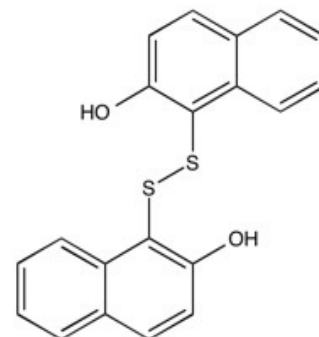


IPA-3, Selective inhibitor of PAK1

Catalog	Unit
TBI4765-10MG	10 mg
TBI4765-50MG	50 mg

Product Details

Formal Name: 1,1'-Dithiodi-2-naphthol
Molecular Formula: C₂₀H₁₄O₂S₂
Formula Weight: 350.45
CAS Number: 42521-82-4
Purity: >98%
Formulation: powder
Solubility: Soluble in DMSO (up to 25 mg/ml)
Storage: -20°C
Stability: ≥ 1 year.



Applications

Selective inhibitor of PAK1

Functions

IPA-3 is a selective allosteric inhibitor of Group 1 p21-activated kinase (PAK1 IC₅₀ = 2.5 μM) via covalent binding to the PAK1 regulatory domain preventing binding to the upstream activator Cdc42. IPA-3 has been shown to induce cell death in human leukemic cell lines, significantly inhibit TGFβ1-induced prostate cell epithelial to mesenchymal transition and inhibits the growth of liver cancer cells.

Application Procedures

First dissolved in DMSO (up to 25 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 3 months.

For research use only.