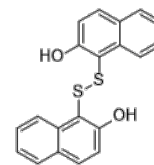


**Product Name** : IPA-3  
**Cat. No.** : PC-24286  
**CAS No.** : 42521-82-4  
**Molecular Formula** : C<sub>20</sub>H<sub>14</sub>O<sub>2</sub>S<sub>2</sub>  
**Molecular Weight** : 350.45  
**Target** : p21-activated Kinase (PAK)  
**Solubility** : 10 mM in DMSO



## Biological Activity

IPA-3 is a selective, non-ATP competitive, covalent PAK1 inhibitor with IC<sub>50</sub> of 2.5 μM, targets the PAK1 autoregulatory mechanism, and does not inhibit pre-activated PAK1.

IPA-3 binds covalently to the Pak1 regulatory domain and prevents binding to the upstream activator Cdc42.

IPA-3 inhibits all Group I Paks (PAK1-3), but not Group II Paks (PAK4-6).

IPA-3 selectively inhibits Pak1 activation in mammalian cells.

## References

Viaud J, et al. Mol Cancer Ther. 2009 Sep;8(9):2559-65.

Deacon SW, et al. Chem Biol. 2008 Apr;15(4):322-31.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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