

p21-Activated Kinase Inhibitor III, IPA-3 - CAS 42521-82-4 - Calbiochem The p21-Activated Kinase Inhibitor III, IPA-3, also referenced under CAS 42521-82-4, controls the biological activity of p21-Activated Kinase. This small molecule/inhibitor is primarily used for Phosphorylation & Dephosphorylation applications.

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| Art. ID | SAF-506106-25MG |
| Unit | 1 x 25 mg |
| Deliverydetails | No Dangerous Good |

Description

A cell-permeable symmetrical disulfide allosteric inhibitor that selectively targets the autoregulatory domain of group I, but not group II, PAKs (p21-activated kinases) and prevents the activation of PAK1/2/3 (% inhibition= 95, 70, and 60, respectively, with 10 μ M inhibitor, IC₅₀ = 2.5 μ M for PAK1). Specificity test shows \geq 50% inhibition, in the presence of 10 μ M ATP and inhibitor, against 9 of 214 non-PAK human kinases. Shown to effectively suppress both basal and PDGF-induced PAK activation at 30 μ M in mouse embryonic fibroblasts. IPA-3 does not inhibit the enzymatic activity of preactivated PAKs and reduction of the intramolecular disulfide bond of IPA-3 by DTT renders it inactive.

| Text/Information | Analyte/Parameter | CAS number | Concentration/Value | Unit | Method | Source |
|------------------|-------------------|--------------|---------------------|------|--------|--------|
| | IPA-3 | [42521-82-4] | | | | |