# PRODUCT INFORMATION

## PKC-9

*Item No. 25556*

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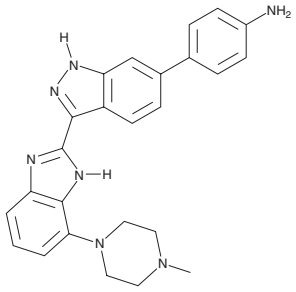
|---|---|
| **CAS Registry No.:** | 1132609-87-0 |
| **Formal Name:** | 4-[3-[7-(4-methyl-1-piperazinyl)-1H-benzimidazol-2-yl]-1H-indazol-6-yl]-benzenamine |
| **MF:** | $C_{25}H_{25}N_7$ |
| **FW:** | 423.5 |
| **Purity:** | ≥95% |
| **Supplied as:** | A solid |
| **Storage:** | -20°C |
| **Stability:** | ≥4 years |



*Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.*

### Laboratory Procedures

PKC-9 is supplied as a solid. A stock solution may be made by dissolving the PKC-9 in the solvent of choice. PKC-9 is soluble in the organic solvent DMSO, which should be purged with an inert gas.

### Description

PKC-9 is an inhibitor of PKCζ that is 8,000-, 20,671-, 711-, 918-, 1,895-, 12,424-, 10-, and 1,218-fold selective for PKCζ over PKCα, PKCβII, PKCγ, PKCδ, PKCε, PKCη, PKCι, and PKCθ, respectively.[1] It also inhibits 27 additional kinases in a panel of 37 kinases when used at a concentration of 10 µM.

### Reference


1. Trujillo, J.I., Kiefer, J.R., Huang, W., *et al.* 2-(6-Phenyl-1H-indazol-3-yl)-1H-benzo[d]imidazoles: Design and synthesis of a potent and isoform selective PKC-ζ inhibitor. *Bioorg. Med. Chem. Lett.* **19(3)**, 908-911 (2009).





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