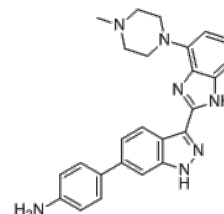


Product Name : PZ09
Cat. No. : PC-36023
CAS No. : 1132609-87-0
Molecular Formula : C₂₅H₂₅N₇
Molecular Weight : 423.524
Target : PKC
Solubility : 10 mM in DMSO



Biological Activity

PZ09 (PKC-zeta inhibitor 9, PKC-ζ inhibitor PZ9) is a potent, isoform selective **PKC-zeta (PKC-ζ)** inhibitor with IC₅₀ of 5.18 nM, displays excellent selectivity (>200-fold) over other PKC isoforms with exception of PKC-i (10-fold).

PZ09 also shows high selectivity for CDK-2 (>200-fold), as well as a broader range of other kinases (<50% inhibition at 10 μM).

PZ09 is a small-molecule inhibitor, the first tool to successfully interrogate aPKC signaling in cells.

References

Trujillo JL, et al. *Bioorg Med Chem Lett*. 2009 Feb 1;19(3):908-11.

Kajimoto T, et al. *Sci Signal*. 2019 Jan 1;12(562). pii: eaat6662. doi: 10.1126/scisignal.aat6662.

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

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