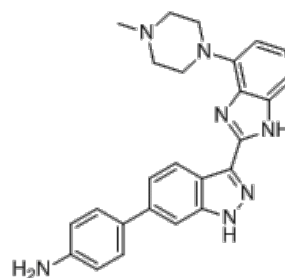


Product Name	: PZ09
Synonyms	: PKC-zeta inhibitor 9; PKC- ζ inhibitor PZ9
Cat No.	: M10461
CAS Number	: 1132609-87-0
Molecular Formula	: C ₂₅ H ₂₅ N ₇
Formula Weight	: 423.52
Chemical Name	: 4-(3-(4-(4-methylpiperazin-1-yl)-1H-benzo[d]imidazol-2-yl)-1H-indazol-6-yl)aniline
Description	PZ09 (PKC-zeta 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); also shows high selectivity for CDK-2 (>200-fold), as well as a broader range of other kinases (<50% inhibition at 10 uM); PZ09 is a small-molecule inhibitor, the first tool to successfully interrogate aPKC signaling in cells.
Pathway	: Angiogenesis
Target	: PKC
Receptor	: PKC
Solubility	: —
SMILES	: CN1CCN(CC1)C2=CC=CC3=C2N=C(N3)C4C5CCC(CC5NN4)C6=CC=C(C=C6)N
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:



1. Trujillo JI, et al. Bioorg Med Chem Lett. 2009 Feb 1;19(3):908-11. | 2. Kajimoto T, et al. Sci Signal. 2019 Jan 1;12(562). pii: eaat6662. doi: 10.1126/scisignal.aat6662.