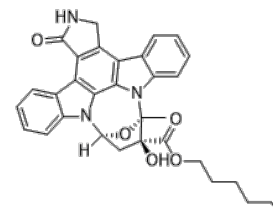


Product Name : KT5720
Cat. No. : PC-23453
CAS No. : 108068-98-0
Molecular Formula : C₃₂H₃₁N₃O₅
Molecular Weight : 537.62
Target : Protein Kinase A (PKA)
Solubility : 10 mM in DMSO



Biological Activity

KT5720 is a potent, cell-permeable, specific, reversible and ATP-competitive PKA inhibitor with IC₅₀ of 3.3 μM.

KT5720 is effective in reversing MDR1-mediated multidrug resistance.

KT5720 also reduces the excitability of dorsal root ganglion (DRG) neurons by attenuating Hyperpolarization-activated cyclic nucleotide-gated (HCN) channel activity and reducing intracellular Ca²⁺ concentrations.

References

Davies SP, et al. Biochem J. 2000 Oct 1;351(Pt 1):95-105.

Galski H, et al. Leuk Res. 2006 Sep;30(9):1151-8.

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

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