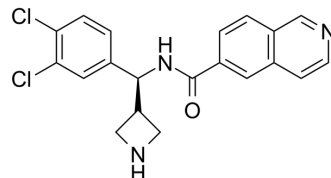


Akt1&PKA-IN-1

Cat. No.:	HY-148868
CAS No.:	1334107-58-2
Molecular Formula:	C ₂₀ H ₁₇ Cl ₂ N ₃ O
Molecular Weight:	386.27
Target:	Akt; PKA; CDK
Pathway:	PI3K/Akt/mTOR; Stem Cell/Wnt; Cell Cycle/DNA Damage
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Akt1&PKA-IN-1 is a potent dual Akt/PKA inhibitor with IC ₅₀ values of 0.03 , 0.11 μM, and 9.8 μM for PKAa, Akt, and CDK2, respectively. Akt1&PKA-IN-1 is selective for cyclin-dependent kinase 2 (CDK2) ^[1] .		
IC₅₀ & Target	PKAa 0.03 μM (IC ₅₀)	Akt 0.11 μM (IC ₅₀)	CDK2 9.8 μM (IC ₅₀)

REFERENCES

[1]. Ashton KS, et al. Design and synthesis of novel amide AKT1 inhibitors with selectivity over CDK2. Bioorg Med Chem Lett. 2011 Sep 15;21(18):5191-6.

Caution: Product has not been fully validated for medical applications. For research use only.

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