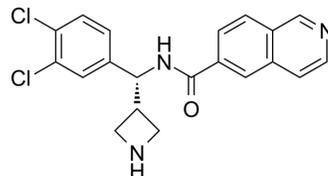


## Akt1&PKA-IN-2

Cat. No.:	HY-148868A
CAS No.:	1334108-00-7
Molecular Formula:	C <sub>20</sub> H <sub>17</sub> Cl <sub>2</sub> N <sub>3</sub> O
Molecular Weight:	386.27
Target:	Akt; CDK
Pathway:	PI3K/Akt/mTOR; Cell Cycle/DNA Damage
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Akt1&PKA-IN-2 ((R)-29) is an inhibitor of PKB/AKT with cyclin-dependent kinase 2 (CDK2) selectivity. Akt1&PKA-IN-2 inhibits AKT1, PKA $\alpha$ and CDK2 <sup>a</sup> with IC <sub>50</sub> values of 0.007 $\mu$ M, 0.01 $\mu$ M and 0.69 $\mu$ M, respectively <sup>[1]</sup> .	
<b>IC<sub>50</sub> &amp; Target</b>	Akt1 0.007 $\mu$ M (IC <sub>50</sub> )	CDK2 <sup>a</sup> 0.69 $\mu$ M (IC <sub>50</sub> )

### 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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