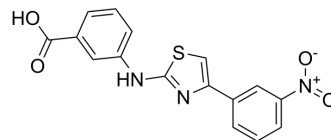


## CK2 $\alpha$ -IN-1

<b>Cat. No.:</b>	HY-148318
<b>CAS No.:</b>	443747-52-2
<b>Molecular Formula:</b>	C <sub>16</sub> H <sub>11</sub> N <sub>3</sub> O <sub>4</sub> S
<b>Molecular Weight:</b>	341.34
<b>Target:</b>	Casein Kinase
<b>Pathway:</b>	Cell Cycle/DNA Damage; Stem Cell/Wnt
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	CK2 $\alpha$ -IN-1 (compound 2) is a selective CK2 $\alpha$ inhibitor (IC <sub>50</sub> =7.0 $\mu$ M; K <sub>i</sub> =1.6 $\mu$ M) that exhibits a non-ATP-competitive mode of action. CK2 $\alpha$ -IN-1 exhibits good potential for anticancer studies <sup>[1]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	IC <sub>50</sub> :7.0 $\mu$ M (CK2 $\alpha$ ) <sup>[1]</sup> .

### REFERENCES

[1]. Bestgen B, et al. 2-Aminothiazole Derivatives as Selective Allosteric Modulators of the Protein Kinase CK2. 1. Identification of an Allosteric Binding Site. J Med Chem. 2019 Feb 28;62(4):1803-1816.

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

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