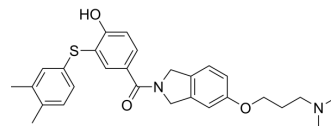


## NDNA3

Cat. No.:	HY-149432
Molecular Formula:	C <sub>28</sub> H <sub>32</sub> N <sub>2</sub> O <sub>3</sub> S
Molecular Weight:	476.63
Target:	HSP; Potassium Channel
Pathway:	Cell Cycle/DNA Damage; Metabolic Enzyme/Protease; Membrane Transporter/Ion Channel
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	NDNA3 (compound 14) is a selective inhibitor of Hsp90α (IC <sub>50</sub> : 0.51 μM). NDNA3 is a permanently charged analog with low membrane permeability and low toxicity to Ovarc-8 (IC <sub>50</sub> : 12.66 μM) and MCF-10A (IC <sub>50</sub> : 11.72 μM) cells. NDNA3 prevents disruption of hERG channel maturation without generating a heat shock response or causing degradation of Hsp90α-dependent client proteins <sup>[1]</sup> .
IC <sub>50</sub> & Target	IC <sub>50</sub> : 0.51 μM (Hsp90α) <sup>[1]</sup>

### REFERENCES

[1]. Reynolds TS, et al. Synthesis and Validation of the First Cell-Impermeable Hsp90α-Selective Inhibitors. ACS Med Chem Lett. 2023 Aug 8;14(9):1250-1256..

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

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