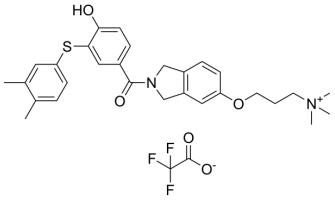
# NDNA4

| | |
|---|---|
| **Cat. No.:** | HY-149431 |
| **Molecular Formula:** | $C_{31}H_{35}F_3N_2O_5S$ |
| **Molecular Weight:** | 604.68 |
| **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** | NDNA4 (compound 17) is a selective inhibitor of Hsp90α ($IC_{50}$: 0.34 μM). NDNA4 is a permanently charged analog with low membrane permeability and low cytotoxicity against Ovcar-8 and MCF-10A (($IC_{50}$ >100 μM)). NDNA4 prevents disruption of hERG channel maturation without generating a heat shock response or causing degradation of Hsp90α-dependent client proteins[1]. |
| **$IC_{50}$ & Target** | IC50: 0.34 μM (Hsp90α)[1] |

## 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..



Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA