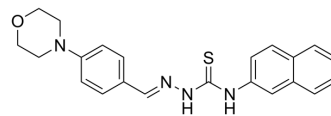


## NPP1-IN-2

Cat. No.:	HY-163448
Molecular Formula:	C <sub>22</sub> H <sub>22</sub> N <sub>4</sub> OS
Molecular Weight:	390.5
Target:	Phosphatase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	NPP1-IN-2 (compound 3h) is a potent and selective Ectonucleotide pyrophosphatase/phosphodiesterase-1 (NPP1) inhibitor with IC <sub>50</sub> values of 0.55, 3.73 μM for NPP1, NPP3, respectively <sup>[1]</sup> .
IC <sub>50</sub> & Target	IC <sub>50</sub> : 0.55 μM (NPP1); 3.73 μM (NPP3) <sup>[1]</sup>

### REFERENCES

[1]. Tasleem M, et al. Synthesis, in vitro, and in silico studies of morpholine-based thiosemicarbazones as ectonucleotide pyrophosphatase/phosphodiesterase-1 and -3 inhibitors. *Int J Biol Macromol.* 2024 Mar 24;266(Pt 2):131068.

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

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