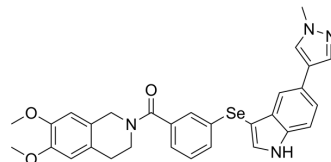


## P-gp inhibitor 20

Cat. No.:	HY-161260
Molecular Formula:	C <sub>30</sub> H <sub>28</sub> N <sub>4</sub> O <sub>3</sub> Se
Molecular Weight:	571.53
Target:	P-glycoprotein
Pathway:	Membrane Transporter/Ion Channel
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

P-gp inhibitor 20 (compound H27) is a low cytotoxicity *P*-glycoprotein (*P*-gp) inhibitor. *P*-gp inhibitor 20 inhibits the efflux function of *P*-gp in a dose-dependent manner (without affecting the expression of *P*-gp), thereby reversing the multidrug resistance (MDR) of MCF-7/ADR cells, with an IC<sub>50</sub> value of 46.6 nM. *P*-gp inhibitor 20 can be used for cancer research<sup>[1]</sup>.

### REFERENCES

[1]. Yang Z, et al. Design, synthesis, and bioactivity evaluation of novel indole-selenide derivatives as *P*-glycoprotein inhibitors against multi-drug resistance in MCF-7/ADR cell. *Eur J Med Chem.* 2024 Feb 10;268:116207.

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

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