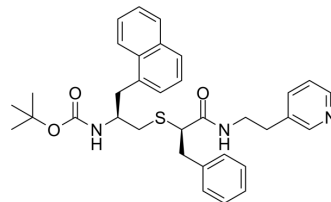


## CYP3A4-IN-3

|                    |   |
|--------------------|---|
| Cat. No.:          | HY-150581   |
| CAS No.:           | 2562384-19-2  |
| Molecular Formula: | C <sub>34</sub> H <sub>39</sub> N <sub>3</sub> O <sub>3</sub> S                           |
| Molecular Weight:  | 569.76  |
| Target:            | Cytochrome P450   |
| Pathway:           | Metabolic Enzyme/Protease   |
| Storage:           | Please store the product under the recommended conditions in the Certificate of Analysis. |



### BIOLOGICAL ACTIVITY

|                           |   |
|---------------------------|---|
| Description               | CYP3A4-IN-3 is a high-affinity specific inhibitor of cytochrome P450 3A4 (CYP3A4) with the IC <sub>50</sub> value of 0.075 μM. CYP3A4-IN-3 is a ritonavir analogue, but with a simpler structure and twice the inhibitory effect of ritonavir. CYP3A4-IN-3 is used as an antiviral agent and immunosuppressant <sup>[1]</sup> . |
| IC <sub>50</sub> & Target | CYP3A4<br>0.075 μM (IC <sub>50</sub> )  |

### REFERENCES

[1]. Eric R Samuels, et al. An increase in side-group hydrophobicity largely improves the potency of ritonavir-like inhibitors of CYP3A4. *Bioorg Med Chem*. 2020 Mar 15;28(6):115349. doi: 10.1016/j.bmc.2020.115349. Epub 2020 Jan 31.

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

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