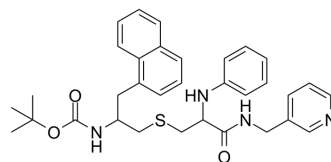


CYP3A4-IN-2

Cat. No.:	HY-150580
CAS No.:	2562383-94-0
Molecular Formula:	C ₃₃ H ₃₈ N ₄ O ₃ S
Molecular Weight:	570.74
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-2 is a specific inhibitor of cytochrome P450 3A4 (CYP3A4) with the IC ₅₀ value of 0.055 μM. CYP3A4-IN-2 is a ritonavir analogue with increased hydrophobicity of the R2 side group and stronger inhibitory effect compared to ritonavir. CYP3A4-IN-2 can be used as an antiviral agent and immunosuppressants ^[1] .
IC ₅₀ & Target	CYP3A4 0.055 μM (IC ₅₀)

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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