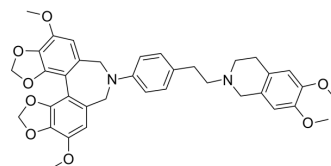


P-gp inhibitor 14

Cat. No.:	HY-149813
CAS No.:	2892571-47-8
Molecular Formula:	C ₃₇ H ₃₈ N ₂ O ₈
Molecular Weight:	638.71
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 14 (Compound 8a) is a high affinity P-gp inhibitor. P-gp inhibitor 14 reverses P-gp-mediated multidrug resistance (EC₅₀=48.74 nM). P-gp inhibitor 14 has a weak inhibitory effect on CYP3A4 activity^[1].

REFERENCES

[1]. Jiang C, et al. Design and evaluation of dibenzoazepine-tetrahydroisoquinoline hybrids as potential P-glycoprotein inhibitors against multidrug resistant K562/A02 cells. *Eur J Med Chem.* 2023 Mar 5;249:115150.

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

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