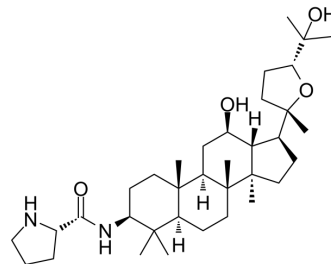


P-gp inhibitor 15

Cat. No.:	HY-155032
CAS No.:	2303508-09-8
Molecular Formula:	C ₃₅ H ₆₀ N ₂ O ₄
Molecular Weight:	572.86
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 15 (compound 7a) is a nonsubstrate inhibitor of P-glycoprotein (Pgp). P-gp inhibitor 15 inhibits Pgp-ATPase activity and interferes Pgp-mediated Rhodamine123 efflux. P-gp inhibitor 15 also enhances the inhibitory efficacy of Paclitaxel (HY-B0015) and inhibits tumor progress in nude mice KBV xenograft tumors model^[1].

REFERENCES

[1]. Yang G, et al. Discovery of Pyxinol Amide Derivatives Bearing Amino Acid Residues as Nonsubstrate Allosteric Inhibitors of P-Glycoprotein-Mediated Multidrug Resistance. *J Med Chem.* 2023 Jul 13;66(13):8628-8642.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA