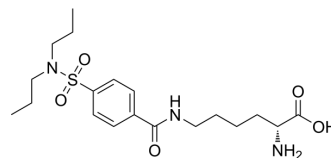


Anticancer agent 191

Cat. No.:	HY-157876
Molecular Formula:	C ₁₉ H ₃₁ N ₃ O ₅ S
Molecular Weight:	413.53
Target:	P-glycoprotein; BCRP
Pathway:	Membrane Transporter/Ion Channel
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Anticancer agent 191 (Compound 2) is a derivative of probenecid (HY-B0545). As a cancer cell efflux inhibitor, Anticancer agent 191 is designed to inhibit P-glycoprotein (P-gp), breast cancer resistance protein (BCRP), and/or multiple multidrug resistance proteins (MRPs). Anticancer agent 191 increases the accumulation of vinblastine in cancer cells, which is used for cancer research^[1].

REFERENCES

[1]. Huttunen J, et al. Amino acid derivative of probenecid potentiates apoptosis-inducing effects of vinblastine by increasing oxidative stress in a cancer cell-specific manner. *Chem Biol Interact.* 2024 Jan 25;388:110833.

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

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