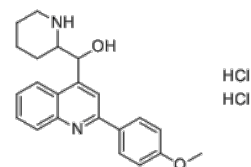


Product Name : NSC23925
Cat. No. : PC-62665
CAS No. : 858474-14-3
Molecular Formula : C₂₂H₂₆Cl₂N₂O₂
Molecular Weight : 421.36
Target : P-glycoprotein (P-gp)
Solubility : 10 mM in DMSO



Biological Activity

NSC23925 is a small molecule compound that reverses multiple drug resistance (**MDR**) in human cancer cell lines, reverses MDR1 (**Pgp1**) but does not inhibit MRP or BCRP-mediated MDR.

NSC23925 shows maximal reversal of resistance in SKOV-3TR or OVCAR8TR to cytotoxic drugs is 0.5 μ M to 1 μ M.

NSC23925 stimulates ATPase activity of Pgp, increases the intracellular accumulation of Pgp1 substrates.

References

Duan Z, et al. *PLoS One*. 2009 Oct 12;4(10):e7415.

Duan Z, et al. *J Med Chem*. 2012 Apr 12;55(7):3113-21.

Yang X, et al. *Br J Cancer*. 2014 Jun 10;110(12):2896-904.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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