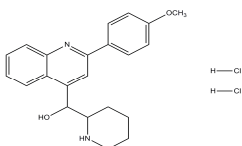


**RELATED PRODUCTS:**

MK-571 (Cat. No. 2691-5, 25)

MK-571, sodium salt (Cat. No. 2692-5, 25)

**Product: NSC-23925****ALTERNATE NAME:** 2-(p-Methoxyphenyl)- $\alpha$ -2-piperidyl-4-quinolinemethanol dihydrochloride, NSC-23925, [2-(4-Methoxyphenyl)4-quinolinyl]-(piperidin-2-yl)-methanol dihydrochloride**CATALOG #:** 2686-5, 25**AMOUNT:** 5 mg, 25 mg**STRUCTURE:****MOLECULAR FORMULA:**  $C_{22}H_{24}N_2O_2 \cdot 2HCl$ **MOLECULAR WEIGHT:** 421.36**CAS NUMBER:** 858474-14-3**APPEARANCE:** White to off-white solid**SOLUBILITY:**  $H_2O$  (~5 mg/ml)**PURITY:**  $\geq 98\%$  by HPLC**STORAGE:** Store at  $-20^\circ C$ . Protect from air and moisture**DESCRIPTION:** NSC-23925 is a potent plasma membrane glycoprotein 1 (Pgp1) inhibitor. It inhibits Pgp1 and reverses MDR1 (Pgp1) but does not inhibit MRP or BCRP-mediated MDR. NSC23925 directly inhibits the function of Pgp1 in a dose-dependent manner without altering the total expression level of Pgp1. NSC23925 stimulates ATPase activity of Pgp.**REFERENCES:** Duan, Z., *et al.* (2009). *PLoS ONE* 4, e7415**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**FOR RESEARCH USE ONLY! Not to be used on humans.**