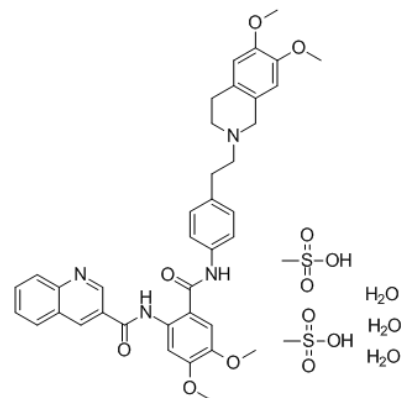


Product Name : Tariquidar methanesulfonate hydrate
Cat. No. : PC-42649
CAS No. : 625375-83-9
Molecular Formula : C₄₀H₅₂N₄O₁₅S₂
Molecular Weight : 892.9887
Target : P-glycoprotein (P-gp)
Solubility : DMSO: ≥ 296 mg/mL; H₂O: < 8.9 mg/mL



Biological Activity

A potent, specific P-gp inhibitor with K_d of 5.1 nM; potentiates the cytotoxicity of several drugs including doxorubicin, paclitaxel, etoposide, and vincristine in a panel of human MDR cell lines at 25-80 nM; exhibits potent i.v. and p.o. activity without apparently enhancing the plasma pharmacokinetics of paclitaxel or the toxicity of coadministered drugs.

Breast Cancer

Phase 2 Discontinued

References

Martin C, et al. Br J Pharmacol. 1999 Sep;128(2):403-11.

Mistry P, et al. Cancer Res. 2001 Jan 15;61(2):749-58.

Walker J, et al. Eur J Cancer. 2004 Mar;40(4):594-605.

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

E-mail: tech@probechem.com