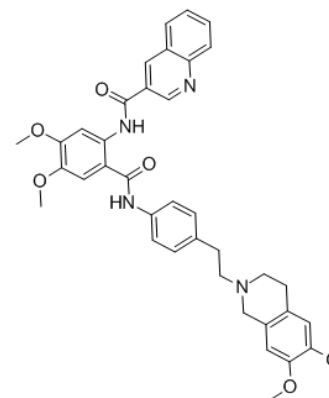


Product Name : Tariquidar
Cat. No. : PC-42648
CAS No. : 206873-63-4
Molecular Formula : C₃₈H₃₈N₄O₆
Molecular Weight : 646.7315
Target : P-glycoprotein (P-gp)
Solubility : DMSO: ≥ 100 mg/mL



Biological Activity

Tariquidar (XR9576) is a potent, specific P-gp inhibitor with K_d of 5.1 nM.

Tariquidar (XR9576) potentiates the cytotoxicity of several drugs including doxorubicin, paclitaxel, etoposide, and vincristine in a panel of human MDR cell lines at 25-80 nM.

Tariquidar (XR9576) exhibits potent i.v. and p.o. activity without apparently enhancing the plasma pharmacokinetics of paclitaxel or the toxicity of coadministered drugs.

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!

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