

Product Name	: Tariquidar
Synonyms	: XR 9576;XR-9576;XR9576
Cat No.	: M13215
CAS Number	: 206873-63-4
Molecular Formula	: C ₃₈ H ₃₈ N ₄ O ₆
Formula Weight	: 646.73
Chemical Name	: 3-Quinolinecarboxamide, N-[2-[[[4-[2-(3,4-dihydro-6,7-dimethoxy-2(1H)-isoquinolinyl)ethyl]phenyl]amino]carbonyl]-4,5-dimethoxyphenyl]-
Description	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
Pathway	: Membrane Transporter/Ion Channel
Target	: P-glycoprotein
Receptor	: P-gp(P-glycoprotein)
Solubility	: DMSO: ≥ 100 mg/mL
SMILES	: <chem>COC1=CC2=C(C(N(CCC3=CC=C(NC(=O)C4=C(NC(=O)C5=CC6=CC=CC=C6N=C5)C=C(OC)C(OC)=C4)C=C3)CC2)C=C1OC</chem> [c:17,26,28,31,40,43,49,t:2,4,10,12,22,24,34]
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Martin C, et al. Br J Pharmacol. 1999 Sep;128(2):403-11. | 2. Mistry P, et al. Cancer Res. 2001 Jan 15;61(2):749-58. | 3. Walker J, et al. Eur J Cancer. 2004 Mar;40(4):594-605.