



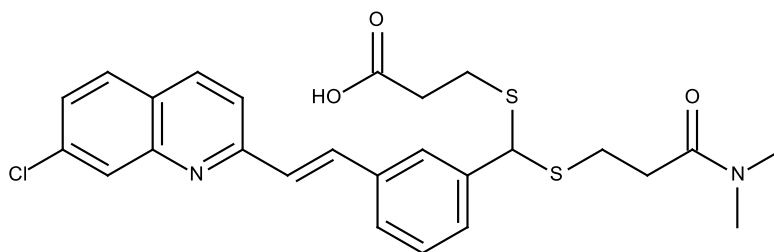
Catalog # 10-1039

MK-571

CAS# 115104-28-4

5-(3-(2-(7-Chloroquinolin-2-yl)ethenyl)phenyl)-8-dimethylcarbamyl-4,6-dithiaoctanoic acid; L-660711

Lot # A101413



Potent ($EC_{50} = 1.3nM$) and selective Leukotriene D₄ antagonist(LTD₄)¹ displaying inverse agonist activity², Blocks binding of LTD₄ to human ($K_i = 0.22 nM$) and guinea pig ($K_i = 2.1 nM$) lung membranes. Selective for the CysLT₁ receptor. Multidrug resistance protein 1 (MRP1) inhibitor.³

- 1) Jones, *et al* . (1989) *Pharmacology of L-660,711 (MK-571): a novel potent and selective leukotriene D₄ receptor antagonist.*; Can. J. Physiol. Pharmacol. **67**, 17
- 2) Dupre *et al* (2004) *Inverse agonist activity of selected ligands of the cysteinyl-leukotriene receptor 1.* J.Pharmacol.Exp.Ther. **309** 102
- 3) Vellenga *et al* (1999) *Interleukin-6 production by activated human monocytic cells is enhanced by MK-571, a specific inhibitor of the multi-drug resistance protein-1.* Br.J.Pharmacol. **127** 441

PHYSICAL DATA

Molecular Weight:	515.09
Molecular Formula:	C ₂₆ H ₂₇ ClN ₂ O ₃ S ₂
Purity:	>95% by TLC (10% Methanol/methylene chloride; R _f = 0.34)
	NMR: (Conforms)
Solubility:	DMSO (up to 50 mg/ml)
Physical Description:	Yellow solid
Storage and Stability:	Store as supplied at room temperature for up to 1 year from the date of purchase. Protect from exposure to moisture. Solutions in DMSO may be stored at -20°C for up to 2 months.

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