**Product:** MK-571

**ALTERNATE NAME:** (E)-3-[[3-[2-(7-chloro-2-quinolinyl)ethenyl]phenyl][3-(dimethylamino)-3-oxopropyl][thio][meth][thio]-propanoic acid; L-660,711

**CATALOG #:** 2691-5, 25

**AMOUNT:** 5 mg, 25 mg

**STRUCTURE:**

**MOLECULAR FORMULA:** C_{26}H_{27}ClN_{2}O_{3}S_{2}

**MOLECULAR WEIGHT:** 515.09

**CAS NUMBER:** 115104-28-4

**APPEARANCE:** Yellow solid

**SOLUBILITY:** DMSO (~40 mg/ml)

**PURITY:** ≥95%

**STORAGE:** Store at -20 °C. Protect from air and light

**DESCRIPTION:** MK 571 is a selective, CysLT1 receptor antagonist. It blocks the binding of leukotriene LTD4, but not LTC4, to human and guinea pig lung membranes with K values of 0.22 nM and 2.1 nM, respectively. MK 571 effectively blocks LTD4 activation of recombinant human and murine CysLT1 receptors but is ineffective at blocking LTC4 or LTD4 activation of the recombinant human or murine CysLT2 receptors. MK-57 also acts as a specific inhibitor of multi-drug resistance protein-1 (MRP1).


**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.**