BioVision

08/14

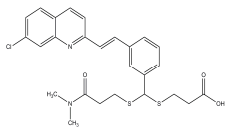
Product: MK-571

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

CATALOG #: 2691-5, 25

AMOUNT: 5 mg, 25 mg

STRUCTURE:



MOLECULAR FORMULA: $C_{26}H_{27}ClN_2O_3S_2$

MOLECULAR WEIGHT: 515.09

CAS NUMBER: 115104-28-4

APPEARANCE: Yellow solid

SOLUBILITY: DMSO (~40 mg/ml)

PURITY: ≥95%

STORAGE: Store at -20 ℃. Protect from air and light

DESCRIPTION: MK 571 is a selective, $CysLT_1$ receptor antagonist. It blocks the binding of leukotriene LTD_4, but not LTC_4, to human and guinea pig lung membranes with K_i values of 0.22 nM and 2.1 nM, respectively. MK 571 effectively blocks LTD_4 activation of recombinant human and murine $CysLT_1$ receptors but is ineffective at blocking LTC_4 or LTD_4activation of the recombinant human or murine $CysLT_2$ receptors. MK-57 also acts as a specific inhibitor of multi-drug resistance protein-1 (MRP1).

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REFERENCES: Vellenga, E., *et al*. (1999). *Br. J. Pharmacol.* **127,** 441-448.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:
MK-571 **(Cat. No. 2691-5, 25)**
MK-571, sodium salt **(Cat. No. 2692-5, 25)**
NSC-23925 **(Cat. No. 2686-5,25)**

FOR RESEARCH USE ONLY! Not to be used on humans.

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