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\textsubscript{50} = 1.3nM) and selective Leukotriene D4 antagonist (LTD\textsubscript{4})\textsuperscript{1} displaying inverse agonist activity\textsuperscript{2}, Blocks binding of LTD\textsubscript{4} to human (Ki = 0.22 nM) and guinea pig (Ki = 2.1 nM) lung membranes. Selective for the CysLT1 receptor. Multidrug resistance protein 1 (MRP1) inhibitor.\textsuperscript{3}


PHYSICAL DATA

Molecular Weight: 515.09
Molecular Formula: C\textsubscript{26}H\textsubscript{27}ClN\textsubscript{2}O\textsubscript{3}S\textsubscript{2}
Purity: >95% by TLC (10% Methanol/methylene chloride; Rf = 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.

Materials provided by Focus Biomolecules are for laboratory research use only and are not intended for human or veterinary applications.

Focus Biomolecules LLC 400 Davis Drive, Suite 600 Plymouth Meeting PA 19462
www.focusbiomolecules.com