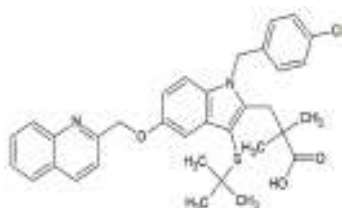


MK-591, Free acid

ALTERNATE NAME: L-686,708
MK591
Quiflapon
MK 591
L686,708
3-(3-(tert-butylthio)-1-(4-chlorobenzyl)-5-(quinolin-2-ylmethoxy)-1H-indol-2-yl)-2,2-dimethylpropanoic acid
L686,708

CATALOG #: B2520-1 1 mg
B2520-5 5 mg

STRUCTURE



MOLECULAR FORMULA: C₃₄H₃₅ClN₂O₃S

MOLECULAR WEIGHT: 587.17

CAS NUMBER: 136668-42-3

APPEARANCE: Crystalline solid

PURITY: ≥98%

SOLUBILITY: >40 mg/ml DMSO

DESCRIPTION: MK-0591 is a potent and specific 5-Lipoxygenase-activating protein (FLAP) inhibitor with an IC₅₀ of 1.6 nM in FLAP binding assay; it displays no inhibitory effect on 15-lipoxygenase and platelet 12-lipoxygenase and cyclooxygenase in human PMNLs; potently inhibits leukotriene (LT) biosynthesis in intact human and elicited rat PMNLs with IC₅₀ of 3.1 and 6.1 nM, respectively.

STORAGE TEMPERATURE: -20°C. Protect from light

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

RELATED PRODUCTS:

GSK2190915 (B1891)
GSK2190915 (sodium salt) (B2518)
GSK2830371 (2578)
Mk-591, sodium salt (B2519)
MK-886 (B2517)

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