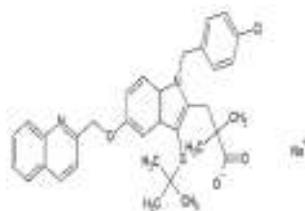


# MK-591 sodium salt

**ALTERNATE NAME:** 1H-Indole-2-propanoic acid, 1-[(4-chlorophenyl)methyl]-3-[(1,1-dimethylethyl)thio]- $\alpha$ , $\alpha$ -dimethyl-5-(2-quinolinylmethoxy)-, sodium salt  
MK0591  
Quiflapon sodium  
L-686708

**CATALOG #:** B2519-1 1 mg  
B2519-5 5 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>34</sub>H<sub>34</sub>ClN<sub>2</sub>NaO<sub>3</sub>S

**MOLECULAR WEIGHT:** 609.15

**CAS NUMBER:** 147030-01-1

**APPEARANCE:** Crystalline solid

**PURITY:**  $\geq$ 98%

**SOLUBILITY:** >40 mg/ml DMSO

**DESCRIPTION:** MK-0591 sodium is a potent and specific 5-Lipoxygenase-activating protein (FLAP) inhibitor with an IC<sub>50</sub> 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 IC<sub>50</sub> of 3.1 and 6.1 nM, respectively.

**STORAGE TEMPERATURE:** -20°C. Protect from moisture

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

**RELATED PRODUCTS:**

GSK2830371 (2578)  
MK-591, Free acid (B2520)  
MK-886 (B2517)  
GSK2190915 (B1891)  
GSK2190915 (sodium salt) (B2518)

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