

Product Name	: MK-0591
Synonyms	: Quiflapon;MK-591;L-686708
Cat No.	: M11514
CAS Number	: 136668-42-3
Molecular Formula	: C ₃₄ H ₃₅ ClN ₂ O ₃ S
Formula Weight	: 587.17
Chemical Name	: 1H-Indole-2-propanoic acid, 1-[(4-chlorophenyl)methyl]-3-[(1,1-dimethylethyl)thio]-α,α-dimethyl-5-(2-quinolinylmethoxy)-
Description	: A potent, specific and orally active 5-Lipoxygenase-activating protein (FLAP) inhibitor with IC ₅₀ of 1.6 nM in FLAP binding assay; has 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 ₅₀ of 3.1 and 6.1 nM, respectively; inhibits excretion of LTE ₄ in antigen-challenged allergic animal models. Asthma Discontinued
Pathway	: Immunology/Inflammation
Target	: FLAP
Receptor	: FLAP
Solubility	: 10 mM in DMSO
SMILES	: <chem>O=C(O)C(C)(C)CC(N1CC2=CC=C(Cl)C=C2)C(=C2)=C(SC(C)(C)C)C3=C1C=CC(OCC4=NC5=CC=CC=C5C=C4)=C3</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Diamant Z, et al. J Allergy Clin Immunol. 1995 Jan;95(1 Pt 1):42-51. | 2. Brideau C, et al. Can J Physiol Pharmacol. 1992 Jun;70(6):799-807. | 3. Ménard L, et al. Can J Physiol Pharmacol. 1992 Jun;70(6):808-13.

