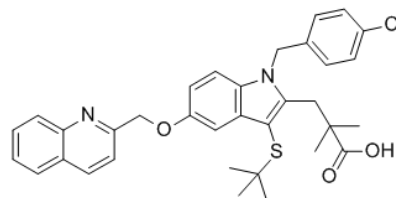


**Product Name** : MK-0591  
**Cat. No.** : PC-42116  
**CAS No.** : 136668-42-3  
**Molecular Formula** : C<sub>34</sub>H<sub>35</sub>ClN<sub>2</sub>O<sub>3</sub>S  
**Molecular Weight** : 587.1713  
**Target** : FLAP  
**Solubility** : 10 mM in DMSO



## Biological Activity

Quiflapon (MK-0591) is a potent, specific and orally active 5-Lipoxygenase-activating protein (**FLAP**) inhibitor with IC<sub>50</sub> of 1.6 nM in FLAP binding assay.

Quiflapon (MK-0591) has no inhibitory effect on 15-lipoxygenase and platelet 12-lipoxygenase and cyclooxygenase in human PMNLs.

Quiflapon (MK-0591) 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.

Quiflapon (MK-0591) inhibits excretion of LTE<sub>4</sub> in antigen-challenged allergic animal models.

## References

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Brideau C, et al. *Can J Physiol Pharmacol*. 1992 Jun;70(6):799-807.

Ménard L, et al. *Can J Physiol Pharmacol*. 1992 Jun;70(6):808-13.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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