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Produktinformation



Forschungsprodukte & Biochemikalien



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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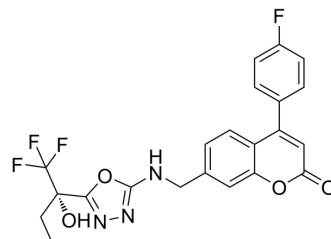
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Setileuton

Cat. No.:	HY-10437
CAS No.:	910656-27-8
Molecular Formula:	C ₂₂ H ₁₇ F ₄ N ₃ O ₄
Molecular Weight:	463.38
Target:	Lipoxygenase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Setileuton (MK-0633) is an inhibitor for 5-lipoxygenase, that inhibits the oxidation of arachidonic acid by recombinant human 5-LO, and the production of LTB ₄ in calcium ionophore-stimulated human whole blood, with IC ₅₀ of 3.9 and 52 nM, respectively ^[1] .
In Vivo	Setileuton (5 mg/kg, i.v.; or 20 mg/kg, p.o., single dose) exhibits good pharmacokinetic profiles with a half-time T _{1/2} of 3.3 h, and a bioavailability of 66% in rat model ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Ducharme Y, et al., The discovery of setileuton, a potent and selective 5-lipoxygenase inhibitor. ACS Med Chem Lett. 2010 Apr 13;1(4):170-4.

Caution: Product has not been fully validated for medical applications. For research use only.

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