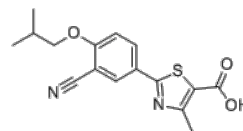


Product Name : Febuxostat
Cat. No. : PC-20360
CAS No. : 144060-53-7
Molecular Formula : C₁₆H₁₆N₂O₃S
Molecular Weight : 316.38
Target : Xanthine Oxidase (XAO)
Solubility : 10 mM in DMSO



Biological Activity

Febuxostat (TEI-6720) is a potent xanthine oxidase/xanthine dehydrogenase (XO) inhibitor, inhibit bovine milk XO, and mouse liver and rat liver XO with IC₅₀ of 1.4, 1.8 and 2.2 nM, respectively.

TEI-6720 exhibited mixed-type inhibition and the K_i value was 0.7 nM on bovine milk xanthine oxidase.

TEI-6720 displayed prolonged urate-lowering activity in normal mice and rats.

TEI-6720 reduced the combined molarity of uric acid and allantoin in rats with ED₅₀ of 2.1 mg/kg p.o.

References

Osada Y, et al. Eur J Pharmacol. 1993 Sep 14;241(2-3):183-8.

Komoriya K, et al. Eur J Pharmacol. 1993 Dec 21;250(3):455-60.

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

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