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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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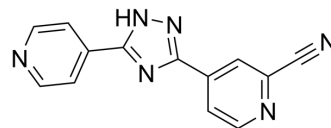
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Topiroxostat (Standard)

Cat. No.:	HY-14874R
CAS No.:	577778-58-6
Molecular Formula:	C ₁₃ H ₈ N ₆
Molecular Weight:	248.24
Target:	Xanthine Oxidase; Cytochrome P450
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Topiroxostat (Standard) is the analytical standard of Topiroxostat. This product is intended for research and analytical applications. Topiroxostat (FYX-051) is a potent and orally active xanthine oxidoreductase (XOR) inhibitor with an IC ₅₀ value of 5.3 nM and a K _i value of 5.7 nM. Topiroxostat exhibits weak CYP3A4-inhibitory activity (18.6%). Topiroxostat has the potential for hyperuricemia treatment ^{[1][2]} .
IC ₅₀ & Target	IC ₅₀ : 5.3 nM (XOR) ^[1] K _i : 5.7 nM (XOR) ^[2]

REFERENCES

- [1]. Sato T, et al. Discovery of 3-(2-cyano-4-pyridyl)-5-(4-pyridyl)-1,2,4-triazole, FYX-051 - a xanthine oxidoreductase inhibitor for the treatment of hyperuricemia [corrected]. *Bioorg Med Chem Lett*. 2009 Nov 1;19(21):6225-9.
- [2]. Matsumoto K, et al. FYX-051: a novel and potent hybrid-type inhibitor of xanthine oxidoreductase. *J Pharmacol Exp Ther*. 2011 Jan;336(1):95-103.

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

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