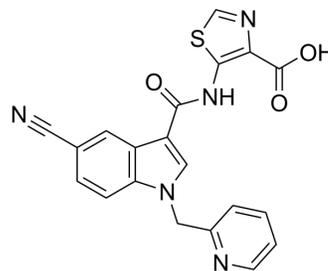


URAT1&XO inhibitor 1

Cat. No.:	HY-153968		
CAS No.:	2669726-78-5		
Molecular Formula:	C ₂₀ H ₁₃ N ₅ O ₃ S		
Molecular Weight:	403.41		
Target:	Xanthine Oxidase; URAT1		
Pathway:	Metabolic Enzyme/Protease; Membrane Transporter/Ion Channel		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



BIOLOGICAL ACTIVITY

Description

URAT1&XO inhibitor 1 (compound 29) is a dual inhibitor of both URAT1 (IC₅₀~10 μM) and Xanthine Oxidase (IC₅₀=1.01 μM). URAT1&XO inhibitor 1 results hypouricemic effect in potassium oxonate-induced hyperuricemia rat model. URAT1&XO inhibitor 1 is used for hyperuricemia research^[1].

REFERENCES

[1]. Fengwei Lin, et al. Identification of 5-[5-cyano-1-(pyridin-2-ylmethyl)-1H-indole-3-carboxamido] thiazole-4-carboxylic acid as a promising dual inhibitor of urate transporter 1 and xanthine oxidase. *European Journal of Medicinal Chemistry*. Volume 257, 5 September 2023, 115532.

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

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