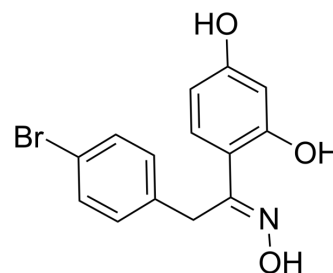


URAT1&XO inhibitor 2

Cat. No.:	HY-153972		
CAS No.:	1239488-96-0		
Molecular Formula:	C ₁₄ H ₁₂ BrNO ₃		
Molecular Weight:	322.15		
Target:	URAT1; Xanthine Oxidase		
Pathway:	Membrane Transporter/Ion Channel; Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



BIOLOGICAL ACTIVITY

Description

URAT1&XO inhibitor 2 (Compound BDEO) is a dual inhibitor of xanthine oxidase and URAT1, with IC₅₀ of 3.3 μM for xanthine oxidase. URAT1&XO inhibitor 2 blocks uptake of uric acid in HEK293 cells expressing URAT1, with a K_i value of 0.145 μM. URAT1&XO inhibitor 2 decreases serum urate level and uric acid excretion in hyperuricemic mice. URAT1&XO inhibitor 2 can be used for research of hyperuricemia^[1].

REFERENCES

[1]. Hu Q, et al. (E)-2-(4-bromophenyl)-1-(2, 4-dihydroxyphenyl)ethanone oxime is a potential therapeutic agent for treatment of hyperuricemia through its dual inhibitory effects on XOD and URAT1. *Biomed Pharmacother.* 2017 Feb;86:88-94.

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

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