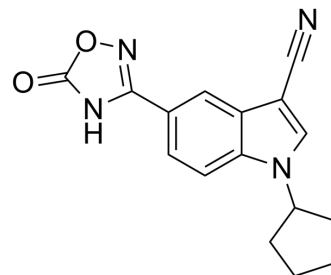


## Xanthine oxidase-IN-7

Cat. No.:	HY-146273
CAS No.:	2411698-59-2
Molecular Formula:	C <sub>16</sub> H <sub>14</sub> N <sub>4</sub> O <sub>2</sub>
Molecular Weight:	294.31
Target:	Xanthine Oxidase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	Xanthine oxidase-IN-7 (compound1h) is a potent andorally active XO (xanthine oxidase) inhibitor with an IC <sub>50</sub> of 0.36 μM. Xanthine oxidase-IN-7 effectively reduces serum uric acid levels. Xanthine oxidase-IN-7 has the potential for the research of hyperuricemia and gout <sup>[1]</sup> .
IC <sub>50</sub> & Target	IC <sub>50</sub> : 0.36 μM (XO) <sup>[1]</sup>

### REFERENCES

[1]. Gao J, et al. Design, synthesis and biological evaluation of 1-alkyl-5/6-(5-oxo-4,5-dihydro-1,2,4-oxadiazol-3-yl)-1H-indole-3-carbonitriles as novel xanthine oxidase inhibitors. Eur J Med Chem. 2020 Mar 15;190:112077.

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

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