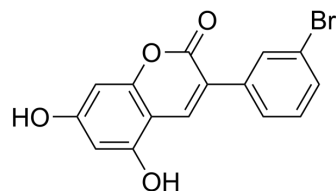


Xanthine oxidase-IN-12

Cat. No.:	HY-156360
Molecular Formula:	C ₁₅ H ₉ BrO ₄
Molecular Weight:	333.13
Target:	Xanthine Oxidase; Reactive Oxygen Species
Pathway:	Metabolic Enzyme/Protease; Immunology/Inflammation; NF-κB
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Xanthine oxidase-IN-12 (Compound 11) is a xanthine oxidase (XO) inhibitor with an IC ₅₀ of 91 nM. Xanthine oxidase-IN-12 also has antioxidant activity and reduces intracellular ROS ^[1] .
IC ₅₀ & Target	91 nM (xanthine oxidase) ^[1] .

REFERENCES

[1]. Fais A, et al. Design of 3-Phenylcoumarins and 3-Thienylcoumarins as Potent Xanthine Oxidase Inhibitors: Synthesis, Biological Evaluation, and Docking Studies. ChemMedChem. 2023 Oct 6:e202300400.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA