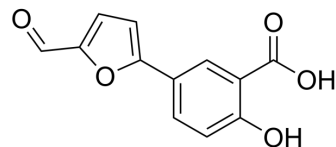


Glycolate oxidase-IN-1

Cat. No.:	HY-W176012
CAS No.:	330977-65-6
Molecular Formula:	C ₁₂ H ₈ O ₅
Molecular Weight:	232.19
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Glycolate oxidase-IN-1(compound 26), a salicylic acid derivative, is a glycolate oxidase (GO) inhibitor with an IC ₅₀ of 38.2 μM. Glycolate oxidase-IN-1 has the ability to reduce oxalate production in hyperoxalate hepatocytes and can be used in the study of primary hyperoxaluria type 1 (PH1) ^[1] .
In Vitro	Glycolate oxidase-IN-1(0-12.5 μM, 48 h) treated mouse hepatocytes, at a concentration of 6.25 μM, the level of excreted oxalate is significantly reduced by 67.3 ± 32%. At a concentration of 12.5 μM, the reduction is 105.8 ± 29.2% and 62.3 ± 24.4% after 24 and 48 hours of treatment, respectively, without any cytotoxicity ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. María Dolores Moya-Garzón, et al. Salicylic Acid Derivatives Inhibit Oxalate Production in Mouse Hepatocytes with Primary Hyperoxaluria Type 1. J Med Chem. 2018 Aug 23;61(16):7144-7167.

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

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