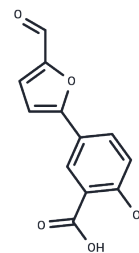


## Glycolate oxidase-IN-1

## Chemical Properties

CAS No. :	330977-65-6
Formula:	C <sub>12</sub> H <sub>8</sub> O <sub>5</sub>
Molecular Weight:	232.19
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Glycolate oxidase-IN-1 (compound 26), a salicylic acid derivative, serves as an inhibitor of glycolate oxidase (GO) and exhibits an inhibitory concentration (IC <sub>50</sub> ) of 38.2 μM. It is efficacious in reducing oxalate production in hyperoxaluric hepatocytes and has potential applications in researching primary hyperoxaluria type 1 (PH1) [1].
Targets(IC <sub>50</sub> )	Others
In vitro	When treated with Glycolate oxidase-IN-1 (compound 26) (0-12.5 μM, 48 h), murine hepatocytes exhibited a significant reduction in excreted oxalate levels, with a 67.3 ± 32% decrease observed at a concentration of 6.25 μM.

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.3068 mL	21.5341 mL	43.0682 mL
5 mM	0.8614 mL	4.3068 mL	8.6136 mL
10 mM	0.4307 mL	2.1534 mL	4.3068 mL
50 mM	0.0861 mL	0.4307 mL	0.8614 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

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