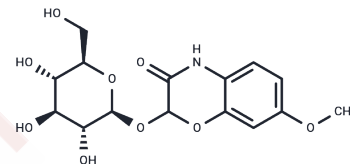


## 2-O-glucosyl-7-methoxy-1,4(2H)-benzoxazin-3-one

## Chemical Properties

CAS No. :	17622-26-3
Formula:	C <sub>15</sub> H <sub>19</sub> N <sub>1</sub> O <sub>9</sub>
Molecular Weight:	357.31
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	2-O-glucosyl-7-methoxy-1,4(2H)-benzoxazin-3-one is a natural product that can be used in related research in the field of life sciences. 2-O-glucosyl-7-methoxy-1,4(2H)-benzoxazin-3-one is applied in natural product chemistry and metabolite profiling studies for structural characterization of benzoxazinone derivatives in plant systems. 2-O-glucosyl-7-methoxy-1,4(2H)-benzoxazin-3-one is also used in biochemical research exploring plant secondary metabolite diversity and biosynthetic pathway mapping.
Targets(IC50)	Others
In vitro	Methods:The structural characteristics of 2-O-glucosyl-7-methoxy-1,4(2H)-benzoxazin-3-one were analyzed, and its hydrolysis by $\beta$ -glucosidase was investigated. Results:2-O-glucosyl-7-methoxy-1,4(2H)-benzoxazin-3-one contains a glucosyl group, and it cannot be obviously hydrolyzed by $\beta$ -glucosidase [1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7987 mL	13.9935 mL	27.9869 mL
5 mM	0.5597 mL	2.7987 mL	5.5974 mL
10 mM	0.2799 mL	1.3993 mL	2.7987 mL
50 mM	0.056 mL	0.2799 mL	0.5597 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.

## Reference

Gahagan H E, et al. The isolation of 2-(2-hydroxy-7-methoxy-1,4-benzoxazin-3-one)  $\beta$ -D-glucopyranoside from *Zea mays*[J]. *Phytochemistry*, 1967, 6(10): 1441-1448.

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