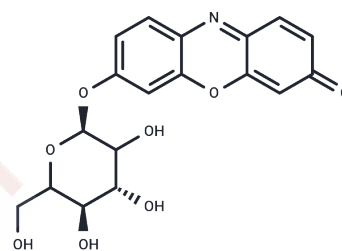


## resorufin galactopyranoside

## Chemical Properties

CAS No. : 95079-19-9  
 Formula: C<sub>18</sub>H<sub>17</sub>N<sub>0</sub>O<sub>8</sub>  
 Molecular Weight: 375.33  
 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	resorufin galactopyranoside is a fluorescent substrate for $\beta$ -galactosidase. After cleavage by $\beta$ -galactosidase, the fluorescent portion of resorufin is released and its fluorescence can be used to quantify $\beta$ -galactosidase activity. It has an excitation light of 570 and an emission light of 580 nm.
Targets(IC50)	Others

## Solubility Information

Solubility	DMSO: 25 mg/mL (66.61 mM), Sonication is recommended. DMF: Soluble, ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6643 mL	13.3216 mL	26.6432 mL
5 mM	0.5329 mL	2.6643 mL	5.3286 mL
10 mM	0.2664 mL	1.3322 mL	2.6643 mL
50 mM	0.0533 mL	0.2664 mL	0.5329 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

Eggertson MJ, Craig DB. Biomed Chromatogr. 1999 Dec;13(8):516-9.

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