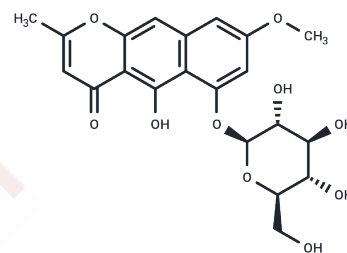


## Rubrofusarin 6-O-β-D-glucopyranoside

## Chemical Properties

|                   |                                                                                                                     |
|-------------------|---------------------------------------------------------------------------------------------------------------------|
| CAS No. :         | 132922-80-6                                                                                                         |
| Formula:          | C <sub>21</sub> H <sub>22</sub> O <sub>10</sub>                                                                     |
| Molecular Weight: | 434.39                                                                                                              |
| Storage:          | Powder: -20°C for 3 years   In solvent: -80°C for 1 year<br>Actual storage temperature shall be subject to the COA. |



## Biological Description

|                            |                                                                                                                                                                                                                                                                                 |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description                | Rubrofusarin 6-O-β-D-glucopyranoside, a glycosidic derivative of Rubrofusarin, functions as an inhibitor of protein tyrosine phosphatase 1B (PTP1B) with an IC <sub>50</sub> value of 87.36 μM, and is utilized in research investigating comorbid diabetes and depression [1]. |
| Targets(IC <sub>50</sub> ) | Others,Phosphatase                                                                                                                                                                                                                                                              |

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 2.3021 mL | 11.5104 mL | 23.0208 mL |
| 5 mM  | 0.4604 mL | 2.3021 mL  | 4.6042 mL  |
| 10 mM | 0.2302 mL | 1.151 mL   | 2.3021 mL  |
| 50 mM | 0.046 mL  | 0.2302 mL  | 0.4604 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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