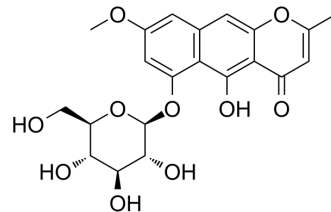


## Rubrofusarin 6-O- $\beta$ -D-glucopyranoside

Cat. No.:	HY-N10378
CAS No.:	132922-80-6
Molecular Formula:	C <sub>21</sub> H <sub>22</sub> O <sub>10</sub>
Molecular Weight:	434.39
Target:	Phosphatase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	Rubrofusarin 6-O- $\beta$ -D-glucopyranoside, the glycoside of Rubrofusarin, is a protein tyrosine phosphatase 1B (PTP1B) inhibitor with the IC <sub>50</sub> of 87.36 $\mu$ M. Rubrofusarin 6-O- $\beta$ -D-glucopyranoside can be used for the research of comorbid diabetes and depression <sup>[1]</sup> .
IC <sub>50</sub> & Target	IC <sub>50</sub> : 87.36 $\mu$ M (PTP1B) <sup>[1]</sup>

### REFERENCES

[1]. Pradeep Paudel, et al. Rubrofusarin as a Dual Protein Tyrosine Phosphate 1B and Human Monoamine Oxidase-A Inhibitor: An in Vitro and in Silico Study. ACS Omega. 2019 Jul 3;4(7):11621-11630.

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

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