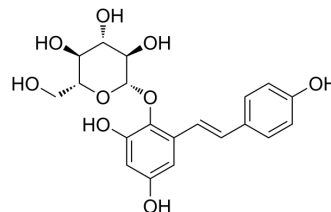


2,3,4',5-Tetrahydroxystilbene 2-O-β-D-glucoside

Cat. No.:	HY-N0403
CAS No.:	55327-45-2
Molecular Formula:	C ₂₀ H ₂₂ O ₉
Molecular Weight:	406.38
Target:	Apoptosis
Pathway:	Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

2,3,4',5-Tetrahydroxystilbene 2-O-β-D-glucoside (TSG) is an active product that can be extracted from *Polygonum multiflorum* Thunb. TSG has anti-inflammatory, antioxidative, anti-atherosclerotic, anti-apoptotic, and free radical scavenging activities, TSG is also indicated to facilitate long-term potentiation and learning and memory in both normal and pathological conditions^{[1][2]}.

REFERENCES

- [1]. Y Kimura, et al. Effects of stilbene components of roots of *Polygonum* spp. on liver injury in peroxidized oil-fed rats. *Planta Med.* 1983 Sep;49(1):51-4.
- [2]. Wu J, et al. Current pharmacological developments in 2,3,4',5-tetrahydroxystilbene 2-O-β-D-glucoside (TSG). *Eur J Pharmacol.* 2017 Sep 15;811:21-29.

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

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