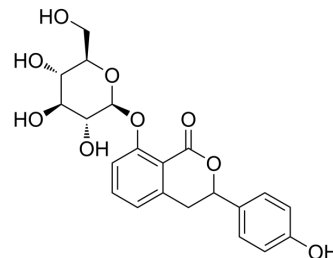


## Hydrangenol 8-O-glucoside

Cat. No.:	HY-N4027
CAS No.:	67600-94-6
Molecular Formula:	C <sub>21</sub> H <sub>22</sub> O <sub>9</sub>
Molecular Weight:	418.39
Target:	Cholinesterase (ChE)
Pathway:	Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Hydrangenol 8-O-glucoside (Hydrangenol 8-O-β-D-glucopyranoside) can be isolated from *Hydrangea macrophylla*. Hydrangenol 8-O-glucoside is an AChE inhibitor (IC<sub>50</sub>: 22.66 μM). Hydrangenol 8-O-glucoside inhibits passive cutaneous anaphylaxis (PCA) reaction<sup>[1][2]</sup>.

### REFERENCES

- [1]. Matsuda H, et al. Effects of phyllodulcin, hydrangenol, and their 8-O-glucosides, and thunberginols A and F from *Hydrangea macrophylla* SERINGE var. *thunbergii* MAKINO on passive cutaneous anaphylaxis reaction in rats. *Biol Pharm Bull.* 1999 Aug;22(8):870-2.
- [2]. Hwang J, et al. Discovery of Natural Inhibitors of Cholinesterases from *Hydrangea*: In Vitro and In Silico Approaches. *Nutrients.* 2021 Jan 17;13(1):254.

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

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