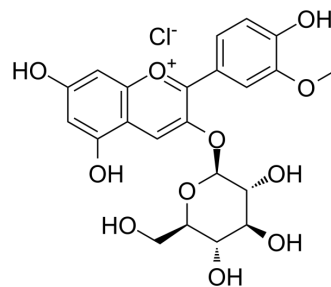


## Peonidin 3-O-glucoside chloride

Cat. No.:	HY-W040127
CAS No.:	6906-39-4
Molecular Formula:	C <sub>22</sub> H <sub>23</sub> ClO <sub>11</sub>
Molecular Weight:	498.86
Target:	Insulin Receptor
Pathway:	Protein Tyrosine Kinase/RTK
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



### BIOLOGICAL ACTIVITY

#### Description

Peonidin 3-O-glucoside chloride, an anthocyanin, act as an insulin secretagogue. Peonidin 3-O-glucoside chloride can increase glucose uptake in HepG2 cells. Peonidin 3-O-glucoside chloride has the potential for type-2 diabetes comorbidities research<sup>[1]</sup>.

### REFERENCES

[1]. Diego A Luna-Vital, et al. Anthocyanins from purple corn activate free fatty acid-receptor 1 and glucokinase enhancing in vitro insulin secretion and hepatic glucose uptake. PLoS One. 2018 Jul 11;13(7):e0200449.

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

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