

## Petunidin-3-O-glucoside chloride

## Chemical Properties

CAS No. :	6988-81-4
Formula:	C <sub>22</sub> H <sub>23</sub> ClO <sub>12</sub>
Molecular Weight:	514.86
Storage:	Keep away from moisture, Keep away from direct sunlight Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

## Biological Description

Description	Petunidin-3-O-glucoside chloride is an anthocyanin glycoside that exhibits strong free radical scavenging activity in in vitro antioxidant assays. Petunidin-3-O-glucoside chloride shows notable antioxidant effects in chemical systems involving Fe <sup>2+</sup> -related oxidative reactions. Petunidin-3-O-glucoside chloride may affect in vitro digestive stability and bioavailability, but it has potential as a dietary bioactive compound with health-promoting properties.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9423 mL	9.7114 mL	19.4228 mL
5 mM	0.3885 mL	1.9423 mL	3.8846 mL
10 mM	0.1942 mL	0.9711 mL	1.9423 mL
50 mM	0.0388 mL	0.1942 mL	0.3885 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.

## Reference

Clifford W Beninger, et al. Antioxidant activity of extracts, condensed tannin fractions, and pure flavonoids from Phaseolus vulgaris L. seed coat color genotypes. J Agric Food Chem

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481