

Cyanidin 3-sambubioside chloride

Chemical Properties

CAS No. : 33012-73-6

Formula: C₂₆H₂₉ClO₁₅

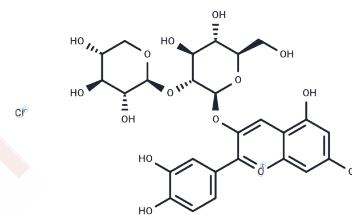
Molecular Weight: 616.95

Storage:

Keep away from direct sunlight, Store at low temperature, Store under nitrogen

Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	Cyanidin 3-sambubioside chloride (Cyanidin-3-O-sambubioside chloride) is a plant-derived anthocyanin, an inhibitor of NO and H274Y mutations, and an inhibitor of influenza neuraminidase. Cyanidin 3-sambubioside chloride has anti-inflammatory properties. sambubioside chloride has antioxidant, antiangiogenic and antiviral activities and inhibits angiotensin-converting enzyme (ACE) activity, which can be used in the study of viral infections and cardiovascular diseases.
Targets(IC50)	RAAS, MMP, Antioxidant, Akt, NO Synthase, Angiotensin-converting Enzyme (ACE), Influenza Virus

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6209 mL	8.1044 mL	16.2088 mL
5 mM	0.3242 mL	1.6209 mL	3.2418 mL
10 mM	0.1621 mL	0.8104 mL	1.6209 mL
50 mM	0.0324 mL	0.1621 mL	0.3242 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

Jung-Chu Cheng, et al. Detection of cyanidin in different-colored peanut testae and identification of peanut cyanidin 3-sambubioside. *J Agric Food Chem.* 2009 Oct 14;57(19):8805-11.

S Kannan, et al. The inhibitory performance of flavonoid cyanidin-3-sambubioside against H274Y mutation in H1N1 influenza virus. *J Biomol Struct Dyn.* 2018 Dec;36(16):4255-4269.

Sang-jin Lee, et al. Cyanidin-3-O-sambubioside from *Acanthopanax sessiliflorus* fruit inhibits metastasis by downregulating MMP-9 in breast cancer cells MDA-MB-231. *Planta Med.* 2013 Nov;79(17):1636-40.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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