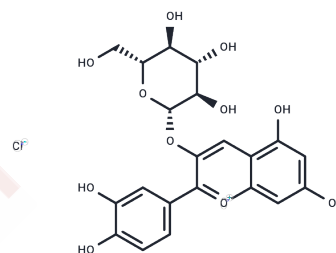


Kuromanin chloride

Chemical Properties

CAS No. :	7084-24-4
Formula:	C ₂₁ H ₂₁ ClO ₁₁
Molecular Weight:	484.84
Appearance:	no data available
Storage:	store at low temperature
	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Kuromanin chloride (Chrysoemine chloride) is potent antioxidants and free radical scavengers, may act as modulators of gene regulation and signal transduction pathways.
Targets(IC50)	NF-κB

Solubility Information

Solubility	DMSO: 60 mg/mL (123.75 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0625 mL	10.3127 mL	20.6254 mL
5 mM	0.4125 mL	2.0625 mL	4.1251 mL
10 mM	0.2063 mL	1.0313 mL	2.0625 mL
50 mM	0.0413 mL	0.2063 mL	0.4125 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.

Reference

Przemysaw K, et al. Analytical Letters Volume 39, Issue 14, 2006

Giménez P, Just-Borràs A, Gombau J, et al. Effects of laccase from Botrytis cinerea on the oxidative degradation of anthocyanins. OENO One. 2023, 57(3): 243-253.

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