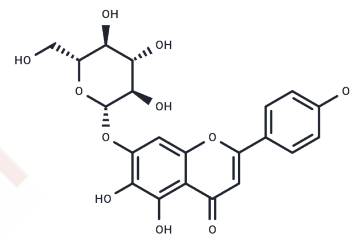


Plantaginin

Chemical Properties

CAS No. :	26046-94-6
Formula:	C ₂₁ H ₂₀ O ₁₁
Molecular Weight:	448.38
Storage:	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	Plantaginin is a naturally derived flavonoid glycoside known to inhibit MMP-2 activity, indicating its potential role in regulating extracellular matrix remodeling. This activity provides a biochemical basis for its investigation in inflammation, metastasis suppression, and tissue-repair research where MMP-2 modulation is mechanistically relevant.
Targets(IC50)	MMP

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2303 mL	11.1513 mL	22.3025 mL
5 mM	0.4461 mL	2.2303 mL	4.4605 mL
10 mM	0.223 mL	1.1151 mL	2.2303 mL
50 mM	0.0446 mL	0.223 mL	0.4461 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

NAKAOKI T, et al. [Studies on the medicinal resources. XX. Component of the leaves of *Plantago asiatica* L]. *Yakugaku Zasshi*. 1961 Dec;81:1697-9. Japanese.

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