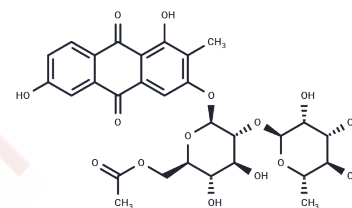


2-Methyl-1,3,6-trihydroxy-9,10-anthraquinone-3-O- α -rhamnosyl-(1 \rightarrow 2)- β -D-glucoside

Chemical Properties

CAS No. :	87686-87-1
Formula:	C ₂₉ H ₃₂ O ₁₅
Molecular Weight:	620.56
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	2-Methyl-1,3,6-trihydroxy-9,10-anthraquinone-3-O- α -rhamnosyl-(1 \rightarrow 2)- β -D-glucoside (TMARg) is a natural disaccharide derivative and dihydroxyanthraquinone that activates BMP2 and β -catenin, thereby influencing osteoblast differentiation.
Targets(IC50)	TGF-beta/Smad
In vitro	2-Methyl-1,3,6-trihydroxy-9,10-anthraquinone-3-O- α -rhamnosyl-(1 \rightarrow 2)- β -D-glucoside (compound 10) does not exhibit inhibitory effects for DNA topoisomerases I and II[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6114 mL	8.0572 mL	16.1145 mL
5 mM	0.3223 mL	1.6114 mL	3.2229 mL
10 mM	0.1611 mL	0.8057 mL	1.6114 mL
50 mM	0.0322 mL	0.1611 mL	0.3223 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

Su-Yang Jeong, et al. Constituents with DNA topoisomerases I and II inhibitory activity and cytotoxicity from the roots of *Rubia cordifolia*. *Planta Med.* 2012 Jan;78(2):177-81.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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