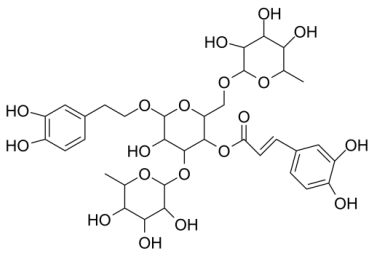
Data Sheet

Product Name:	Poliumoside
Cat. No.:	CS-2626
CAS No.:	94079-81-9
Molecular Formula:	C35H46O19
Molecular Weight:	770.73
Target:	Others
Pathway:	Others
Solubility:	Ethanol : 50 mg/mL (64.87 mM; Need ultrasonic)



BIOLOGICAL ACTIVITY:

Poliumoside is a natural compound which exhibit significant inhibition of advanced glycation end product formation with IC50 value of 4.6-25.7 μM. IC50 value: Target: Poliumoside exhibited greater inhibitory effects on rat lens aldose reductase with IC50 values of 0.85 μM, than those of the positive controls, 3,3-tetramethyleneglutaric acid (IC50=4.03 μM) and quercetin (IC50=7.2 μM).

References:

[1]. Yu SY, et al. Caffeoylated phenylpropanoid glycosides from Brandisia hancei inhibit advanced glycation end product formation and aldose reductase in vitro and vessel dilation in larval zebrafish in vivo. Planta Med. 2013 Dec;79(18):1705-9.

CAIndexNames:

β-D-Glucopyranoside, 2-(3,4-dihydroxyphenyl)ethyl O-6-deoxy-α-L-mannopyranosyl-(1→3)-O-[6-deoxy-α-L-mannopyranosyl-(1→6)]-, 4-[3-(3,4-dihydroxyphenyl)-2-propenoate]

SMILES:

OC1=C(O)C=CC(CCOC2C(C(OC3OC(C)C(O)C(O)C3O)C(OC(/C=C/C4=CC=C(O)C(O)=C4)=O)C(COC5OC(C)C(O)C(O)C5O)O2)O)=C1

Caution: Product has not been fully validated for medical applications. For research use only.

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