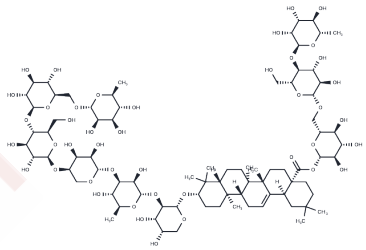
Data Sheet (Cat.No.TN1507)

TargetMol

Clematichinenoside AR

Chemical Properties



CAS No. : 761425-93-8

Formula: C82H134O43

Molecular Weight: 1807.92

Storage: Keep away from direct sunlight,Keep away from moisture
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	Clematichinenoside AR exerts anti-inflammatory and immunosuppressive properties, it has anti-arthritic effects on PI3K/Akt signaling pathway and TNF-α± associated with collagen-induced arthritis.
Targets(IC50)	Autophagy,TNF
In vitro	C-AR was incubated with the content of the large intestine. The culture solution was collected at different time points and analyzed for the metabolites of C-AR. Eight metabolites were identified by liquid chromatography/quadrupole time-of-flight mass spectrometry. M1, M2 and M5 were the major metabolites. In addition, it was proposed that deglycosylation was the only pathway contributing to the biotransformation of C-AR in rat intestinal microflora.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.5531 mL	2.7656 mL	5.5312 mL
5 mM	0.1106 mL	0.5531 mL	1.1062 mL
10 mM	0.0553 mL	0.2766 mL	0.5531 mL
50 mM	0.0111 mL	0.0553 mL	0.1106 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

Identification of the metabolites of anti-inflammatory compound clematichinenoside AR in rat intestinal microflora.Biomed Chromatogr. 2013 Dec;27(12):1767-74.

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