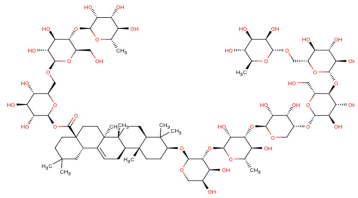
Data Sheet (Cat.No.TN1507)

TargetMol
A DRUG SCREENING EXPERT

Clematichinenoside AR

Chemical Properties



CAS No.:	761425-93-8
Formula:	C82H134O43
Molecular Weight:	1807.93
Appearance:	N/A
Storage:	0-4℃ for short term (days to weeks), or -20℃ for long term (months).

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(IC_{50})	TGFβ: None HIF: None IL receptor: None
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.

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.553 mL	2.766 mL	5.531 mL
5 mM	0.111 mL	0.553 mL	1.106 mL
10 mM	0.055 mL	0.277 mL	0.553 mL
50 mM	0.011 mL	0.055 mL	0.111 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 ℃ for 6 months; - 20 ℃ for 1 month. Please use it as soon as possible.

Reference

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

Inhibitors · Natural Compounds · Compound Libraries

Tel:781-999-4286 E-mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481