

Rehmannioside C

Chemical Properties

CAS No.:	81720-07-2
Formula:	C ₂₁ H ₃₄ O ₁₄
Molecular Weight:	510.49
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	Reference standards.
Targets(IC ₅₀)	Others: None
In vitro	To develop a high performance liquid chromatography-electrospray ionization-mass spectrometry(HPLC-ESI-MS)analysis method of Radix Rehmanniae Praeparata sample.METHODS AND RESULTS:HPLC conditions were as follows:Zorbax SB-C ₁₈ (250 mm×4.6 mm,5 μm)column;gradient elution with acetonitrile-water;flow rate was 1 mL·min ⁻¹ ;photodiode-array detector(DAD)set at 210 nm;the analysis time was 50 min.MS conditions were as follows:Agilent ion trap mass spectrometer;ESI ion source;negative ionization mode.Catalpol,dihydrocatalpol,leonuride,aucubin,rehmannioside A,rehmannioside B,Rehmannioside C and rehmannioside D in Radix Rehmanniae Praeparata sample were identified by MS ² .The MS ² fragments of the 8 constituents were analyzed.CONCLUSIONS:In the negative ion mass detection mode 8 compounds can be simultaneously analyzed which provides a quality control method for Radix Rehmanniae Praeparata sample.

Solubility Information

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

	1mg	5mg	10mg
1 mM	1.959 mL	9.795 mL	19.589 mL
5 mM	0.392 mL	1.959 mL	3.918 mL
10 mM	0.196 mL	0.979 mL	1.959 mL
50 mM	0.039 mL	0.196 mL	0.392 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 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. HPLC/ESI-MS analysis of the Radix Rehmanniae Praeparata. Chinese Journal of Pharmaceutical Analysis, 2007,27:874-876.

Inhibitors · Natural Compounds · Compound Libraries

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