Testing Laboratory

for Chinese Medicine **TLCM**

Certificate of Analysis

Product Name	Hydroxyecdysone/ 蜕皮甾酮	H ₃ C OH CH ₃
Catalog Number	12009	H ₃ C CH ₃ H ₃ OH
Lot Number	120094	HO

Chemical Name Hydroxyecdysone

Chemical Formula C₂₇H₄₄O₇
Chemical Family Steroid
Molecular Weight 480.63
CAS Number 5289-74-7
Appearance (Color) White
Appearance (Form) Powder

Analytical Test

Test	Result	
Identity by LC/MS Analysis	Consistent with structure	
Purity by HPLC/DAD Analysis	≥ 98.0%	

Storage Conditions:

Storage: Refer to label

Before use: Keep container tightly closed

TLCM certifies that this standard meets the specifications stated in this certificate and warrants this product to meet the stated criteria. Warranty does not apply after opening.

Date of Certificate: 11/06/2013

TLCM Room 6145, The Hong Kong University of Science and Technology, Clear Water Bay, Kowloon, Hong Kong

www.hktlcm.com Email:stds@ust.hk Tel: 2358-7338 Fax: 2358-2551

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Product Analysis Report

Analytical Test

Test	Results	
Identity by LC/MS Analysis	Consistent with structure	
Purity by HPLC/DAD Analysis	≥ 98.0%	

Spectral and Physical Data

HPLC

HPLC system : Agilent Technologies 1200 Series

Column: Inertsil ODS-4 column, 4.6 x 250 mm, 5 μm

 $\begin{array}{lll} \text{Injection volume} & : & 10 \; \mu \text{I} \\ \text{Detector} & : & \text{DAD} \end{array}$

Detector wavelength : 270 nm

Flow rate : 0.8 mL/min

Mobile phase :

Time (min)	% H ₂ O	% ACN	Flow rate (mL/min)
0 → 5	95	5	8.0
5 → 40	95 → 55	5 → 45	8.0

Date File Name : A2-D:\Chem32\2\purity test\data

Operator : DUAN Ran Sample Lot Number : 120094

Method File : D:\Chem32\2\method\HYDROXYECDYSONE

Acquired : 2013-06-11

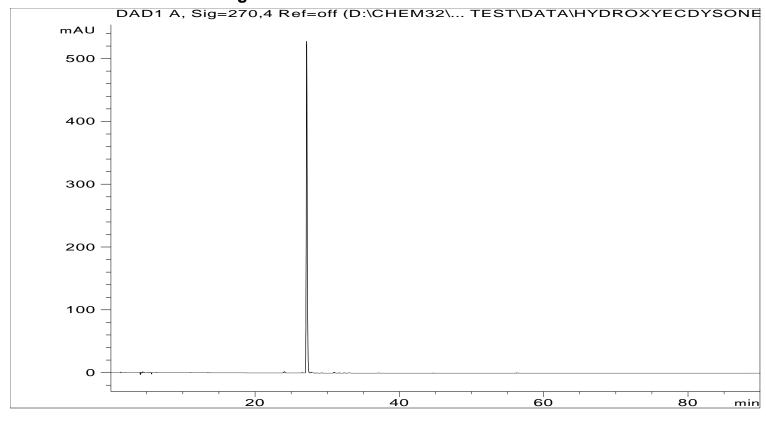
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I. HPLC chromatogram



Product	RT (min)	Area (mAu*s)	Relative Area %
Hydroxyecdysone	27.15	5078.2	98.75

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