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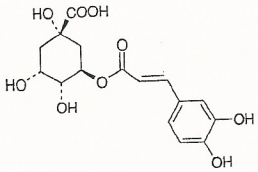


HPLC Lot No.: 13050606

CHLOROGENIC ACID 024991S

IDENTIFICATION

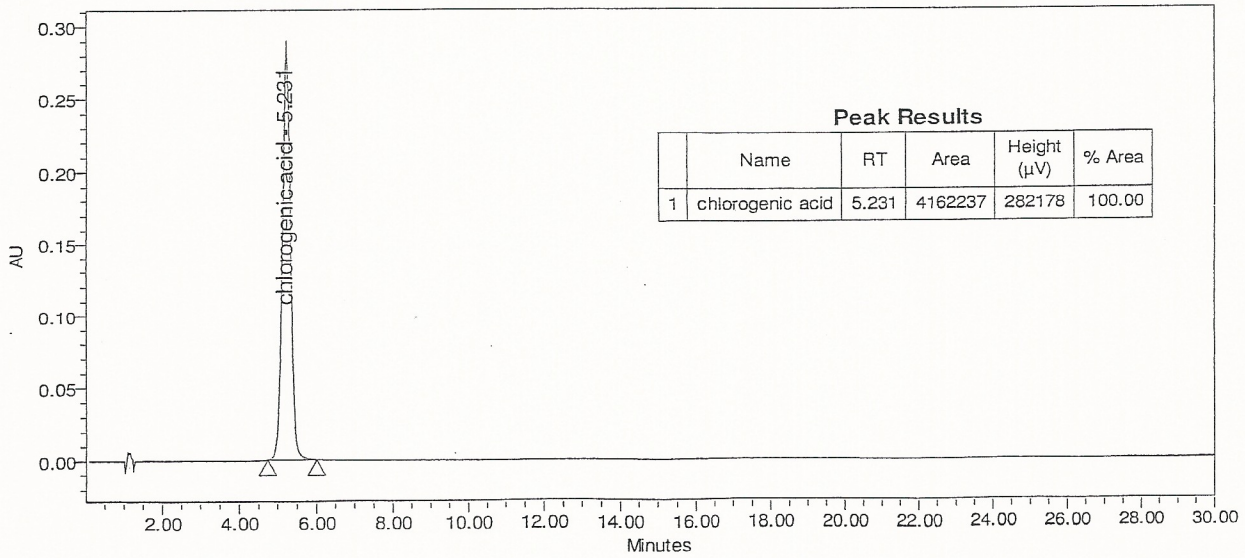
CAS number	[327-97-9]
Synonym name	3-caffeoylquinic acid
Chemical family	Phenolic acids and derivatives
Molecular formula	$C_{16}H_{18}O_9$
Molecular weight	354.31

CERTIFICATE OF ANALYSIS

Appearance	White powder	
Thin layer chromatography	support	Silicagel
	solvent	Ethyl acetate/formic acid/acetic acid/water (100/11/11/27, V/V/V)
	detection	U.V.
Moisture	1.0 %	
Residual solvents	<0.5%	
$[\alpha]_D$	-39° c=0.1 in methanol	
Absorption maxima	236sh, 244, 300sh, 328 nm in methanol	
Storage	Store at room temperature in a dry and dark place.	
	Place in a desiccator under vacuum before use.	

HIGH PERFORMANCE LIQUID CHROMATOGRAPHY

Column	Nova pak C18® (3.9 x 150 mm), particle size 4 µm
Solvent	Water + 5% acetic acid/ Methanol (95/5, V/V)
Flow rate	1ml/mn
Detector	UV visible 327 nm
Sample solvent	Methanol



Peak Results

	Name	RT	Area	Height (µV)	% Area
1	chlorogenic acid	5.231	4162237	282178	100.00

Assay by an HPLC method.

Date of last QC-recheck	*November 2012*
Date of retest	*November 2016*

The values given on the 'Certificate of Analysis' are the results determined at the time of analysis.