



# INDOFINE Chemical Company, Inc.

121 Stryker Lane, Bldg. 30, Suite 1 • Hillsborough, NJ 08844 • U.S.A.

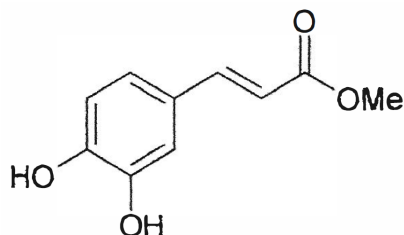
Phone: (908) 359-6778 • FAX: (908) 359-1179

website: [www.indofinechemical.com](http://www.indofinechemical.com)

e-mail: [chemical@indofinechemical.com](mailto:chemical@indofinechemical.com)

## CERTIFICATE OF ANALYSIS

<u>Catalog Number:</u>	024965
<u>Product Name:</u>	<b>CAFFEIC ACID METHYLESTER</b> (Methyl caffeate, Methyl-3,4-dihydroxy cinnamate)
<u>CAS Number:</u>	[3843-74-1]
<u>Lot Number:</u>	0210202
<u>Chemical Formula:</u>	C <sub>10</sub> H <sub>10</sub> O <sub>4</sub>
<u>Molecular Weight:</u>	194.19
<u>Melting Point:</u>	158-161°C
<u>Appearance:</u>	Cream color crystalline powder
<u>Solubility:</u>	Soluble in DMSO
<u>TLC:</u>	Chloroform : Methanol (9:1)
<u>NMR Spectrum:</u>	Enclosed (Confirms to the structure)
<u>Storage:</u>	Cool, Dry Place
<u>Purity(HPLC):</u>	99.27%





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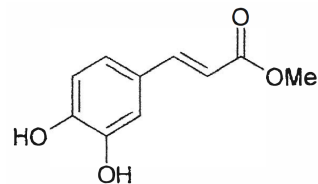
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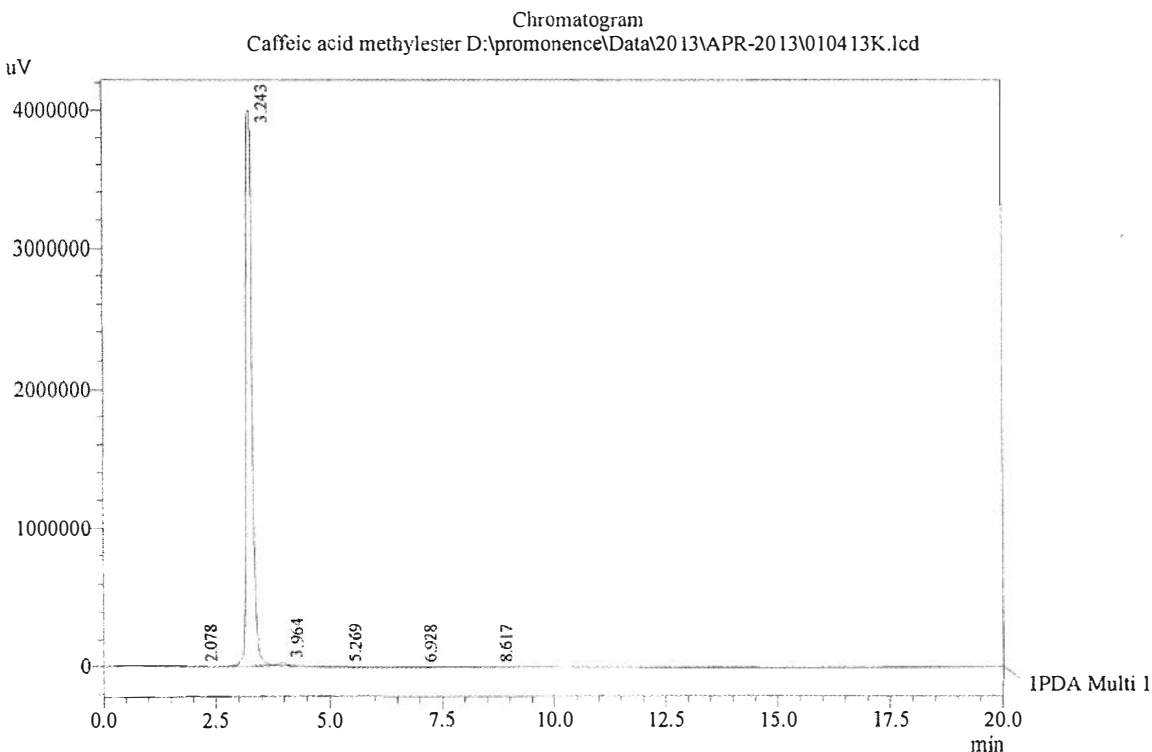
E-mail: [chemical@indofinechemical.com](mailto:chemical@indofinechemical.com)

## HPLC ANALYSIS

Acquired by : Sanjeev  
 Sample Name : Caffeic acid methylester  
 Sample ID : Lot No:- 0210202  
 Injection Volume : 20 uL  
 Data Filename : 010413K.lcd  
 Method Filename : Linear Isocratic.M.lcm  
 Column : LUNA C-18(2), (250mm x4.6mm 5.0μ)  
 Flow : 1.000 mL/min.  
 Mobile Phase : A(30% of Water) B(70% of Acetonitrile)



Catalog No.: 024965  
 Product name: Caffeic acid methylester  
 Lot No.: 0210202



1 PDA Multi 1 / 254nm 4nm

PeakTable

PDA Ch1 254nm 4nm

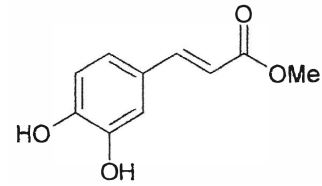
Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:2.078	2.078	7080	0.02	0.64
2	Caffeic acid methylester	3.243	36829433	99.27	1.00
3	RT:3.964	3.964	212384	0.57	1.22
4	RT:5.269	5.269	13019	0.04	1.62
5	RT:6.928	6.928	30492	0.08	2.14
6	RT:8.617	8.617	7407	0.02	2.66
Total			37099817	100.00	



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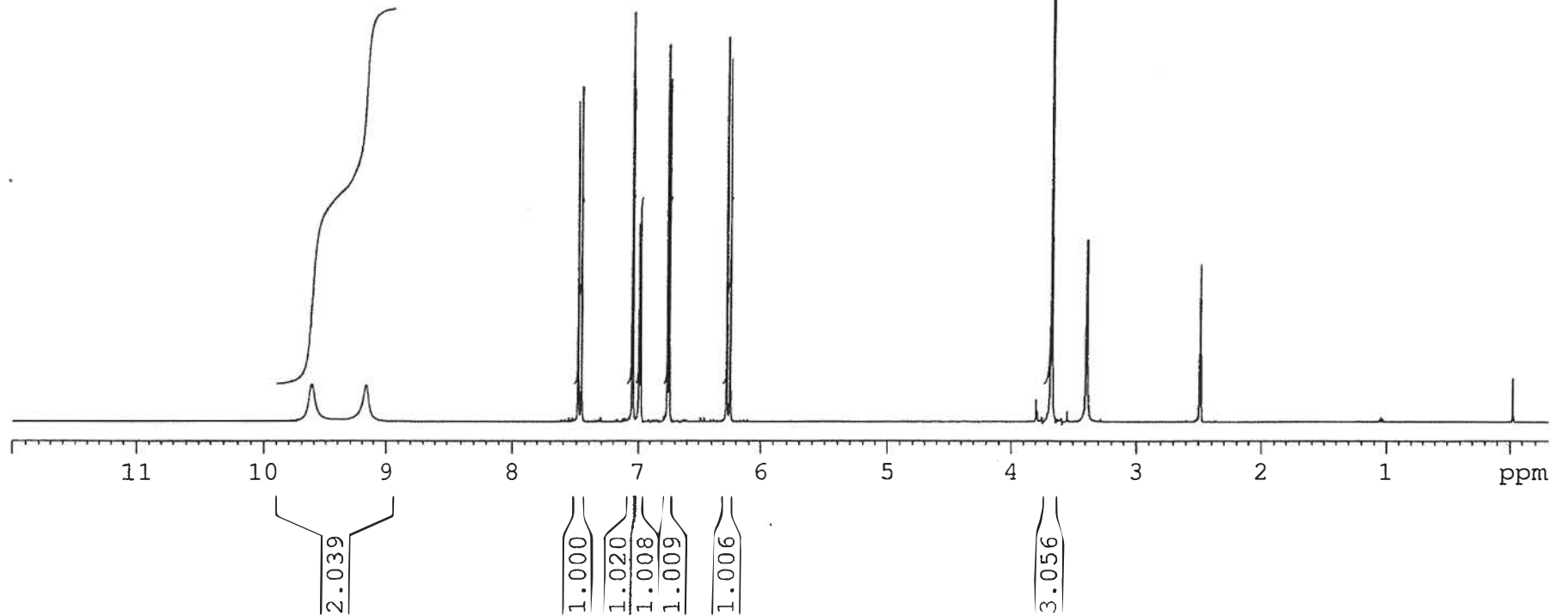
Catalog No.: 024965  
Product name: Caffeic acid methylester  
Lot No.: 0210202



SOLVENT DMSO  
NS 16  
DS 0  
SWH 9803.922 Hz  
FIDRES 0.326819 Hz  
AQ 1.5299480 sec  
RG 22.6  
DW 51.000 usec  
DE 6.00 usec  
TE 298.2 K  
D1 1.5000000 sec  
TD0 1

ICC-APR-44  
1H IN DMSO  
AVANCE-600

----- CHANNEL f1 -----  
NUC1 1H  
P1 7.50 usec  
PL1 2.60 dB  
PL1W 6.62584448 W  
SF01 600.3345228 MHz  
SI 32768  
SF 600.3300114 MHz  
WDW EM  
SSB 0  
LB 0.30 Hz  
GB 0  
PC 1.00

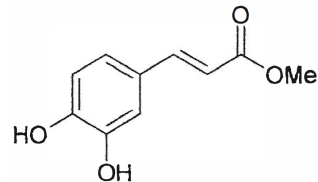




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