



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

e-mail: chemical@indofinechemical.com

CERTIFICATE OF ANALYSIS

Cat. No.: P-004

Product: **PIPERLONGUMINE**
(Piplartine)

CAS Number: [20069-09-4]

Lot No.: 1108157

Source: Piper longum roots

Molecular Formula: C₁₇H₁₉NO₅

Molecular Weight: 317.31

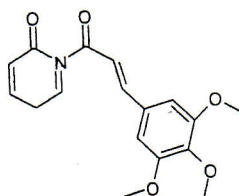
Melting Point: 124-125°C

Appearance: Yellow powder

Solubility: Clear solution in Chloroform

TLC: Hexane:Ethyl acetate (7:3)

Assay(HPLC): 98.54%





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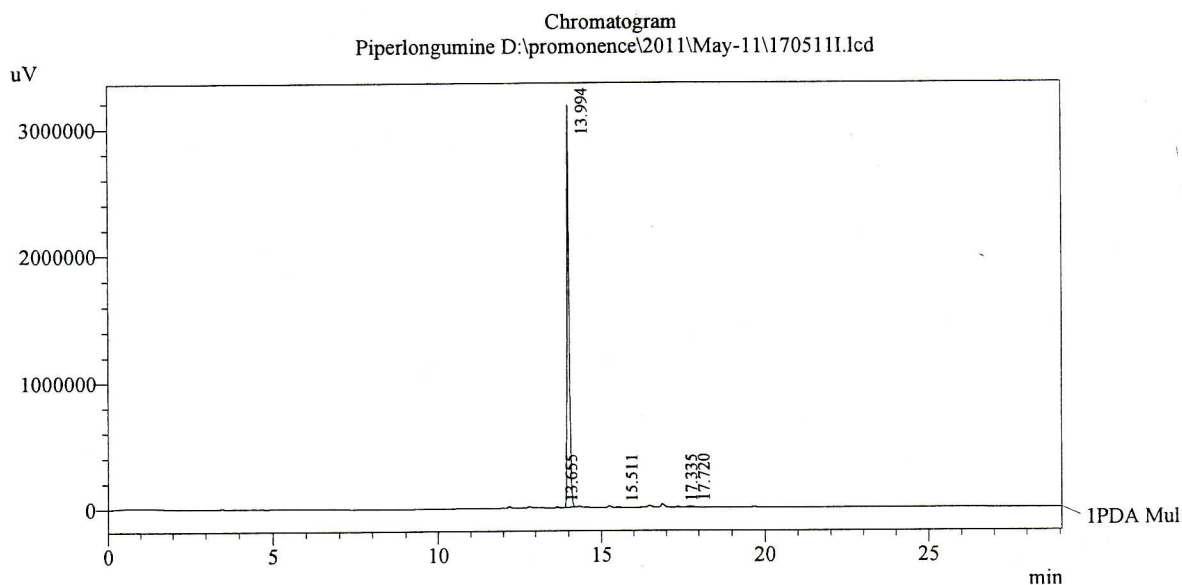
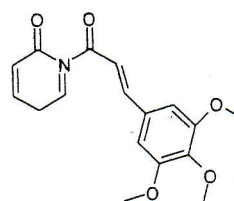
e-mail: chemical@indofinechemical.com

HPLC ANALYSIS

Date Acquired : 5/17/2011 5:14:09 PM
Acquired by : Madhuri
Sample Name : Piperlongumine
Sample ID :
Injection Volume : 20 uL
Data Filename : 1705111.lcd
Method Filename : Linear Gradient.M.lcm

Cat. No.: P-004
Product name: Piperlongumine
Lot No.: 1108157

Description:
Column : Phenomenex C-18, 250X4.6mm 5.0µm
Flow : 1.000ML/min.
Mobile Phase : A(0.05% TFA in Water) B(ACN)
0.01 90 10
12.0 10 90
20.0 10 90
25.0 90 10



PeakTable
PDA Ch1 254nm 4nm

Peak#	Ret. Time	Area	Height	Area %
1	13.655	57346	10539	0.395
2	13.994	14314781	3174063	98.548
3	15.511	38870	6137	0.268
4	17.335	30279	5176	0.208
5	17.720	84376	9168	0.581
Total		14525652	3205084	100.000