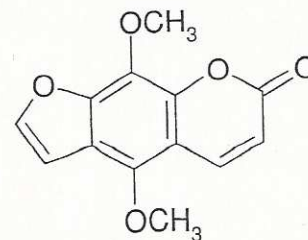


**INDOFINE Chemical Company, Inc.**

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**HPLC****Lot No.: 13092606****ISOPIMPINELLIN****020536S****IDENTIFICATION**

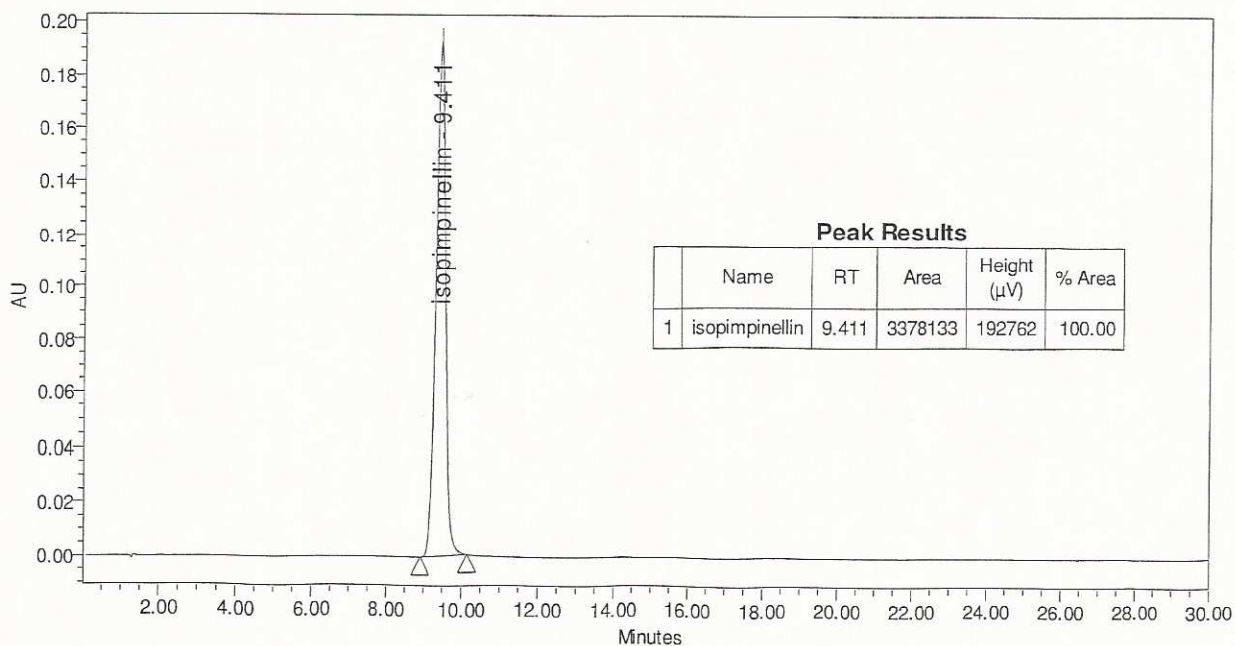
CAS number	[482-27-9]
Chemical family	Coumarins
Synonym	4,9-Dimethoxypsoralen
Molecular formula	C ₁₃ H ₁₀ O ₅
Molecular weight	246.22

CERTIFICATE OF ANALYSIS

Appearance	Lightly yellow powder	
Melting point	151-152°C	
Absorption maxima	223, 241, 249, 271, 312 nm in ethanol	
Moisture	0.9 %	
Residual solvents	<0.5%	
Thin layer chromatography	support	Silicagel
	solvent	Toluene/diethyl oxide (1/1, V/V)
	detection	U.V.
Storage	TOXIC. Store at room temperature in a dry and dark place. Place in a desiccator under vacuum for 48 hours before use	

HIGH PERFORMANCE LIQUID CHROMATOGRAPHY

Column	Nova pak C18® (3.9 x 150 mm), particle size 4 µm
Solvent	Water / methanol (55/45, V/V)
Flow rate	1 ml/min
Detector	UV visible 310 nm
Sample solvent	Ethanol



Assay by an HPLC method

Date of last QC-recheck : June 2010

Date of retest: June 2014

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