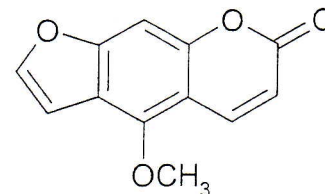


**INDOFINE Chemical Company, Inc.**

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HPLC **Batch: 10**

BERGAPTEN **020552S**

IDENTIFICATION

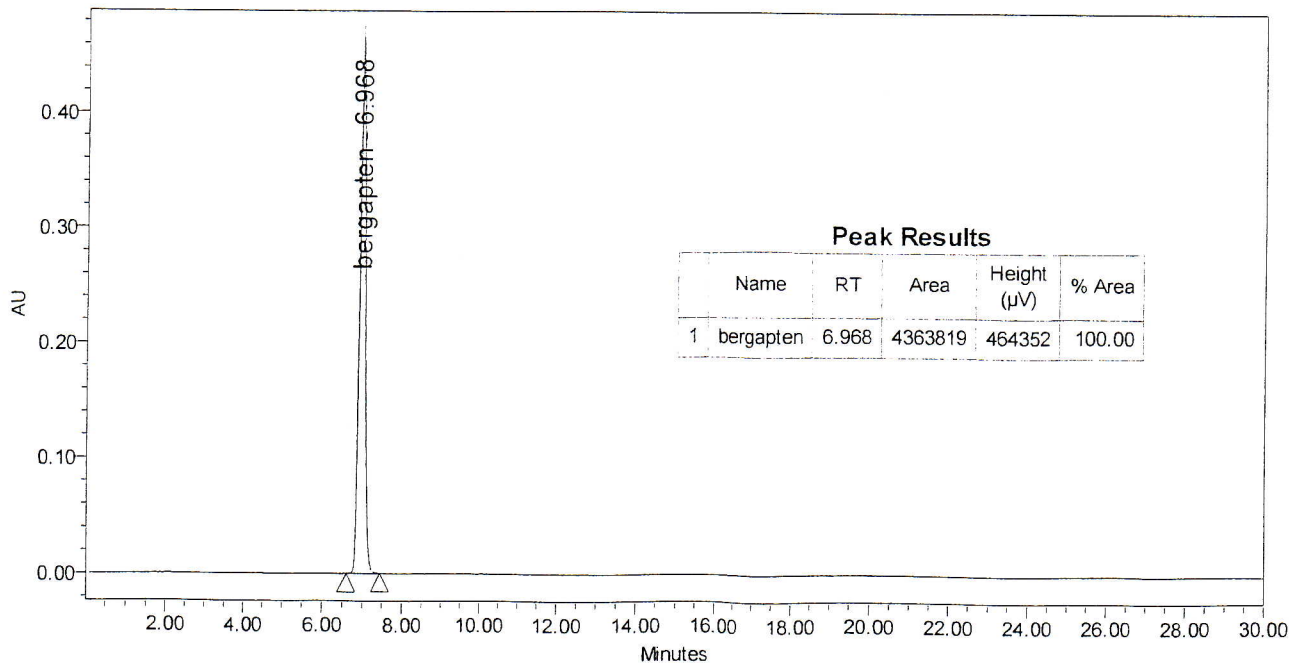
CAS number	[484-20-8]
Chemical family	Coumarins
Chemical name	5-methoxypsoralen
Molecular formula	C ₁₂ H ₈ O ₄
Molecular weight	216.19

CERTIFICATE OF ANALYSIS

Appearance	White powder
Melting point	190-191°C
Moisture	< 0.5%
Residual solvents	< 0.5%
Absorption maxima	222, 242sh, 250, 260, 268, 311.5 nm in ethanol + 0.5% methylene chloride
Thin layer chromatography	support Silicagel solvent Methylene chloride detection U.V.
Storage	TOXIC Store at +2/8°C in a dry and dark place. Place in a desiccator under vacuum for 48 hours before use

HIGH PERFORMANCE LIQUID CHROMATOGRAPHY

Column	Symmetry Shield RP18® (4.6 x 150 mm), particle size 3.5 µm
Solvent	Water + 5% acetic acid / methanol / acetonitrile (50/20/30, V/V/V)
Flow rate	1 ml/min
Detector	UV visible 254 nm
Sample solvent	Methylene chloride / ethanol (2/18, V/V)



Assay by an HPLC method.

Date of last QC-recheck : May 2009

Date of retest : May 2013

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