



# INDOFINE Chemical Company, Inc.

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## H P L C

## Batch: 11

## BUTEIN

## 021103S

### IDENTIFICATION

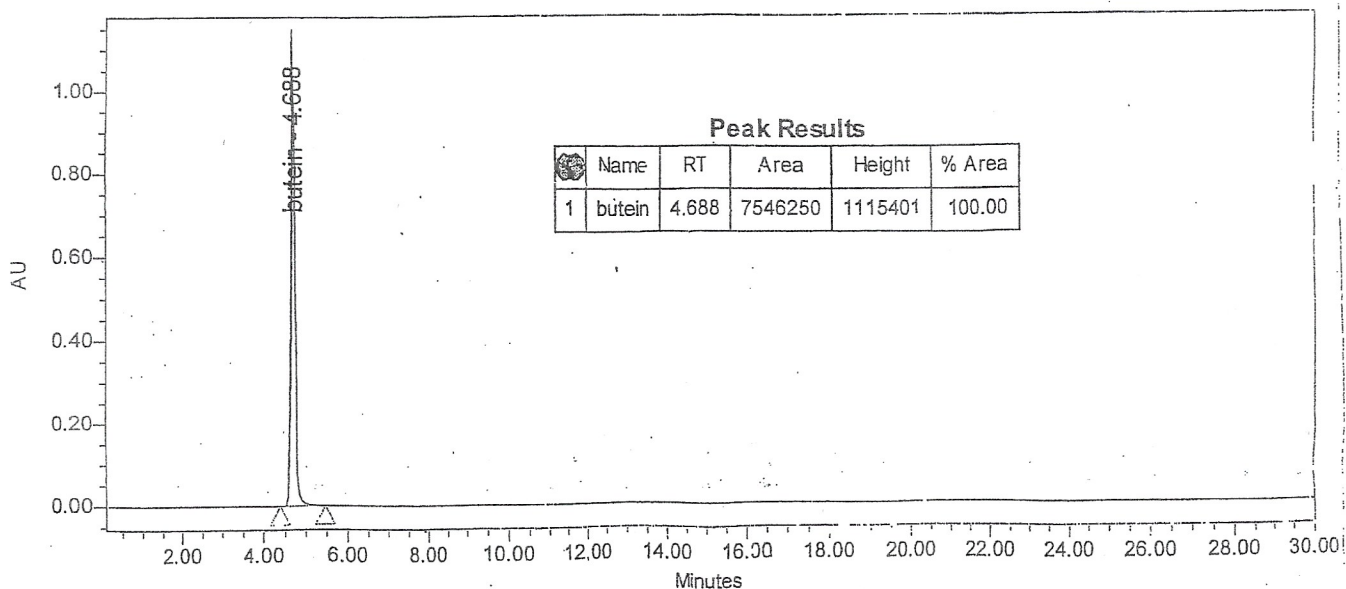
CAS number [21849-70-7]  
Chemical family Flavonoids  
Chemical names 2', 4', 3, 4-Tetrahydroxychalcone  
Molecular formula  $C_{15}H_{12}O_5$   
Molecular weight 272.257

### CERTIFICATE OF ANALYSIS

Appearance Yellow powder  
Melting point 228-229°C dec.  
Thin layer chromatography support Silicagel  
solvent Toluene /Methylethylketone/Methanol (4/3/3 , V/V/V)  
detection Visible  
Moisture 0.8 %  
Absorption maxima (243.5)sh, 261.5, (306.5)sh, 379 nm in methanol.  
Storage 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 Symmetry Shield RP18® (4.6 x 150 mm), particle size 3.5 µm  
Solvent Water / Acetonitrile (55/45 , V/V)  
Flow rate 1 ml/min  
Detector UV visible 380 nm  
Sample solvent Mobile phase



Product no-certified. Assay by an HPLC method.

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