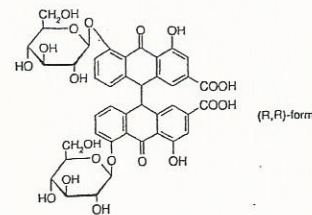


**INDOFINE Chemical Company, Inc.**

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Phone: (908) 359-6778; Fax: (908) 359-1179

**HPLC****Batch: 30****SENNOSIDE A****020456S****IDENTIFICATION**

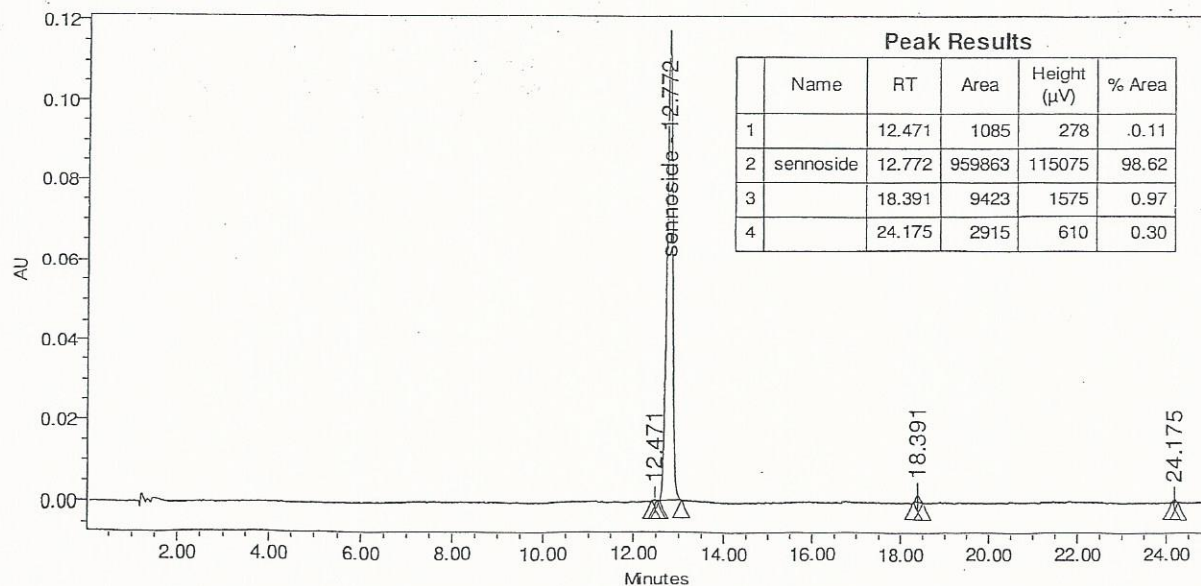
CAS number [81-27-6]
Chemical family Anthraquinones
Molecular formula $C_{42}H_{38}O_{20}$
Molecular weight 862.75

CERTIFICATE OF ANALYSIS

Appearance Yellow powder
Thin layer chromatography support Silicagel
solvent n-propanol/ethyl acetate/water (4/3/3, V/V/V)
detection U.V.
Moisture 3.4%
Residual solvents < 0.5%
Storage Store at +2/8°C in a dry and dark place. Place in a desiccator under vacuum for 48 hours before use. **Unstable in solution.**

HIGH PERFORMANCE LIQUID CHROMATOGRAPHY

Column Nova pak C18® (3.9 x 150 mm), particle size 4 µm
Solvent 15 mn linear gradient from 95 to 75% A and 10 mn linear gradient from 75 to 50% A
A=water + 5% acetic acid; B=acetonitrile
Flow rate 1 ml/min
Detector UV visible 360 nm
Sample solvent Acetone/H₂O (70/30, V/V)



Assay by an HPLC method

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