

ICC **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

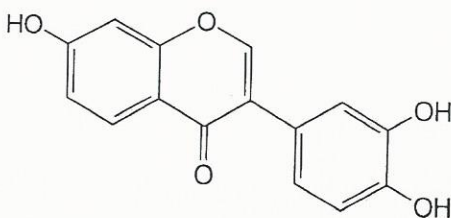
website: www.indofinechemical.com

e-mail: chemical@indofinechemical.com

CERTIFICATE OF ANALYSIS

CAT. No.: T-415

| | |
|--------------------------|--|
| <u>Product Name:</u> | 7,3',4'-TRIHYDROXYISOFLAVONE |
| <u>CAS Number:</u> | [485-63-2] |
| <u>Lot Number:</u> | 1005035 |
| <u>Chemical Formula:</u> | C ₁₅ H ₁₀ O ₅ |
| <u>Molecular Weight:</u> | 270.24 |
| <u>Melting Point:</u> | 278-280°C |
| <u>Appearance:</u> | Off white powder |
| <u>TLC:</u> | Chloroform : Methanol (9:1) |
| <u>Solubility:</u> | Soluble in DMSO |
| <u>Moisture (KF):</u> | 0.7% |
| <u>Assay (HPLC):</u> | 98.1% |





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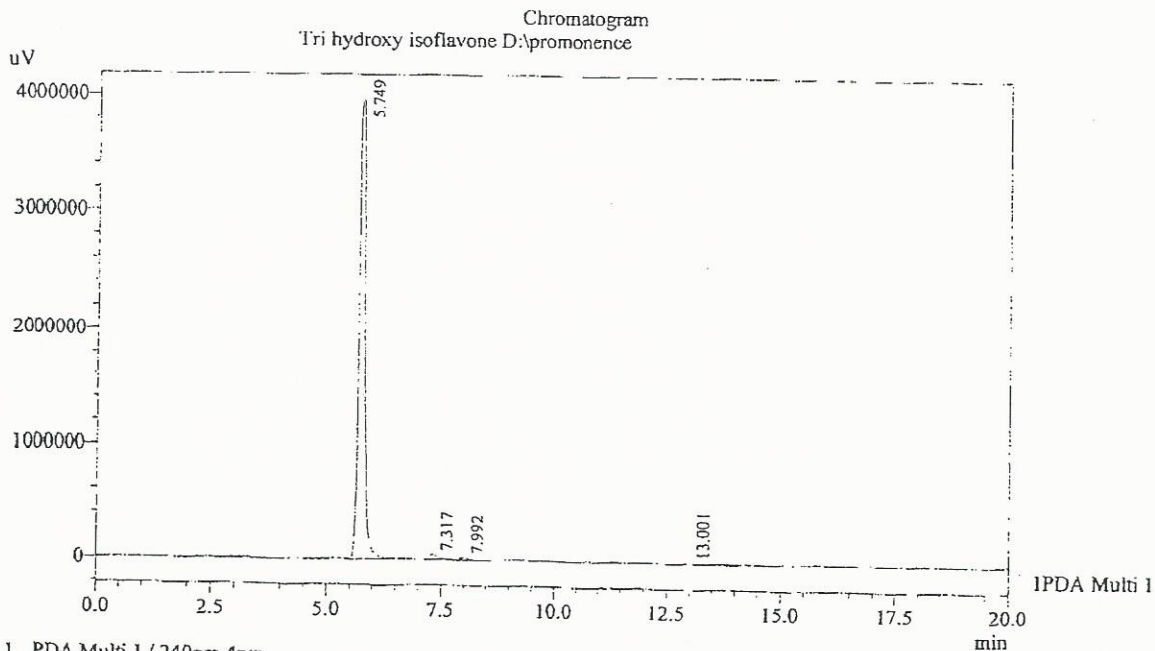
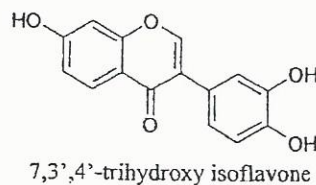
e-mail: chemical@indofinechemical.com

HPLC ANALYSIS

| | | | |
|------------------|--------------------------|-----------|------------------------------|
| Acquired by | : Madhuri | Cat. No.: | T-415 |
| Sample Name | : Tri hydroxy isoflavone | Product: | 7,3',4'-Trihydroxyisoflavone |
| Sample ID | : Uniform Sample | Lot No.: | 1005035 |
| Injection Volume | : 20 µL | | |
| Data Filename | : 020510B.lcd | | |
| Method Filename | : Linear Isocratic.M.lcm | | |

Description:

| | |
|--------------|---------------------------------------|
| Column | : Inertsil C-18, 250X4.6mm 5.0µm |
| Flow | : 0.600mL/min. |
| Mobile Phase | : A(50% Water 0.05% TFA) : B(50% ACN) |



1 PDA Multi 1 / 240nm 4nm

PeakTable
PDA Ch1 240nm 4nm

| Peak# | Ret. Time | Area | Height | Area % |
|-------|-----------|----------|---------|---------|
| 1 | 5.749 | 38771089 | 3956492 | 98.107 |
| 2 | 7.317 | 359493 | 36356 | 0.910 |
| 3 | 7.992 | 241851 | 17148 | 0.612 |
| 4 | 13.001 | 146641 | 4701 | 0.371 |
| Total | | 39519075 | 4014698 | 100.000 |



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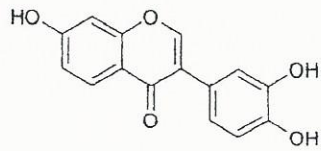
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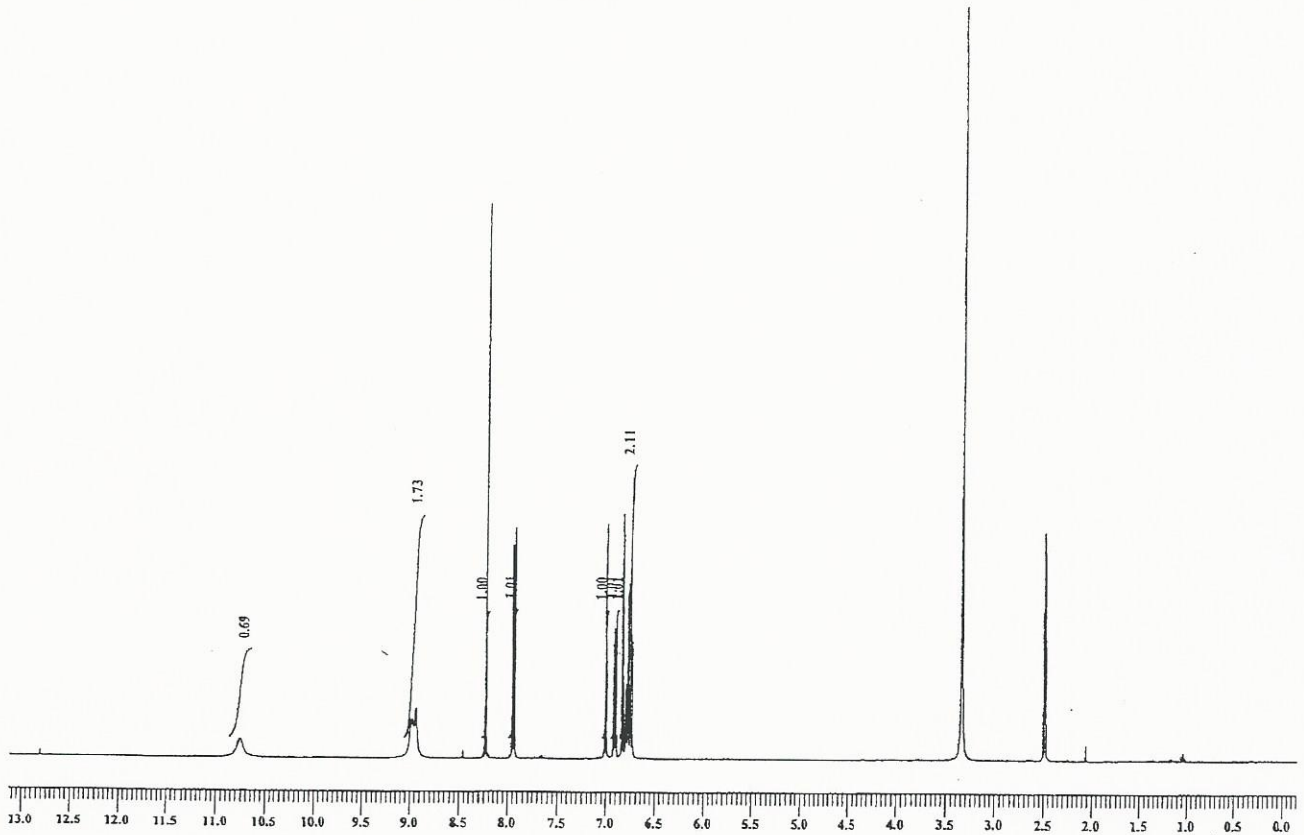
e-mail: chemical@indofinechemical.com

Cat. No.: T-415
Product: 7,3',4'-Trihydroxyisoflavone
Lot No.: 1005035

Tri-OH-LF 1HNMR DMSO-D6



7,3',4'-trihydroxy isoflavone





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T4-OH.L.F IINMR DMSO-D6

Cat. No.: T-415
Product: 7,3',4'-Trihydroxyisoflavone
Lot No.: 1005035

