

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.: 021050N

Product: **GENISTIN**
(7-O-β-D-Glucopyranosyl genistein; Glucosyl-7-genistein)

CAS Number: [529-59-9]

Lot Number: 1203201

Chemical Formula: C₂₁H₂₀O₁₀

Molecular Weight: 432.38

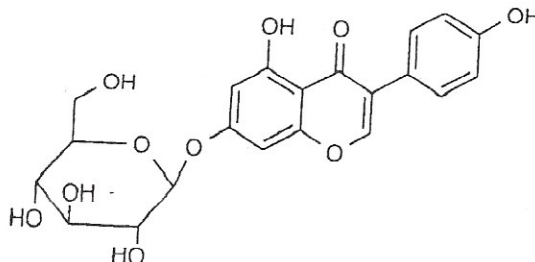
Melting Point: 258.5-259°C

Appearance: Off-white to light yellow crystalline leaflets or powder

Solubility: Soluble in DMSO

Storage: Store desiccated at or below -20°C

Purity(HPLC) 99.4%





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HPLC ANALYSIS

Catalog No.: 021050N
Product name: Genistin
Lot No.: 1203201

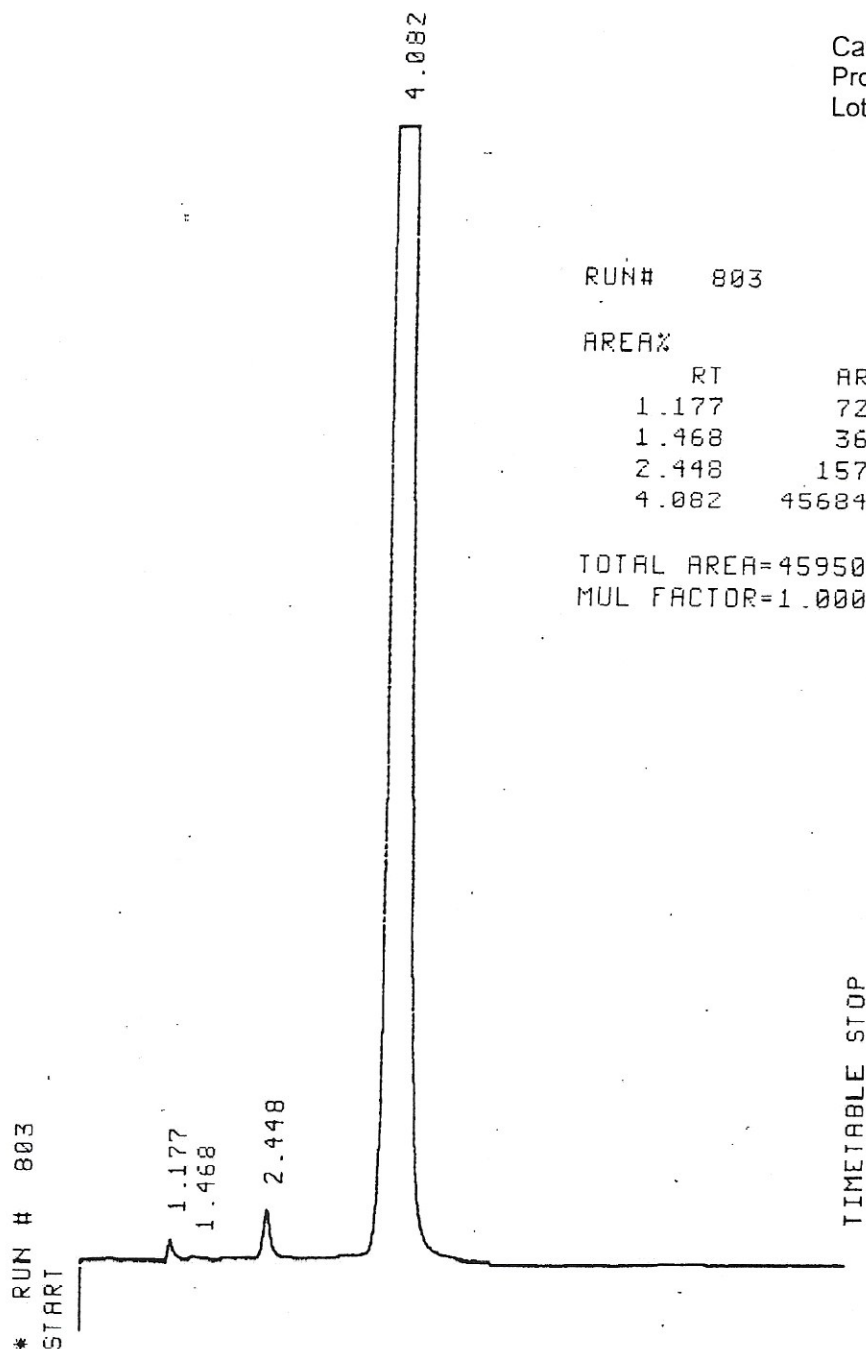
RUN# 803

AREA%

RT	AREA	TYPE	WIDTH	AREA%
1.177	7289	BU	.097	.15863
1.468	3632	UP	.187	.07904
2.448	15703	BB	.101	.34174
4.082	4568410	PB	.159	99.42061

TOTAL AREA=4595034

MUL FACTOR=1.0000E+00



HPLC: C₁₈ Column, 4.6 mm x 30 cm
Acetonitrile/Methanol/Water/Acetic Acid 20/40/76/0.1
2 mL/min
UV₂₅₄ Detection



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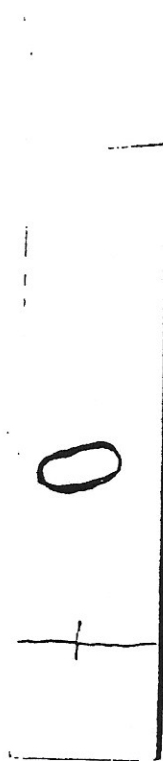
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TLC ANALYSIS

Catalog No.: 021050N

Product name: Genistin

Lot No.: 1203201



- TLC: 60 Å silica gel plates with fluorescent indicator
- Develop with hexane/acetone/water 20/80/3
- Visualize via UV fluorescence quenching
- Also visualize by exposure to iodine vapor