

CERTIFICATE OF ANALYSIS

Genistein, >99%

LC LABS CAT. NO. orb61038
CHEMICAL NAME 4', 5, 7-trihydroxyisoflavone

FORMULA C₁₅H₁₀O₅

M.W. 270.23

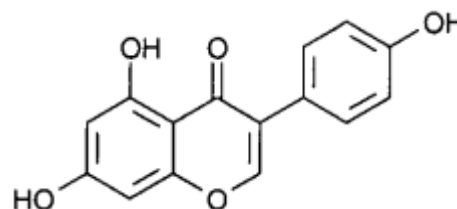
CAS NO. 446-72-0

MERCK INDEX 12: 4395

STORAGE: Store at or below -20 °C

SOLUBILITY: Soluble in DMSO

Tyrosine kinase inhibitor. J. Biol. Chem. 262: 5592 (1987)



ANALYTICAL DATA

APPEARANCE Off-white to beige or light tan microcrystalline powder

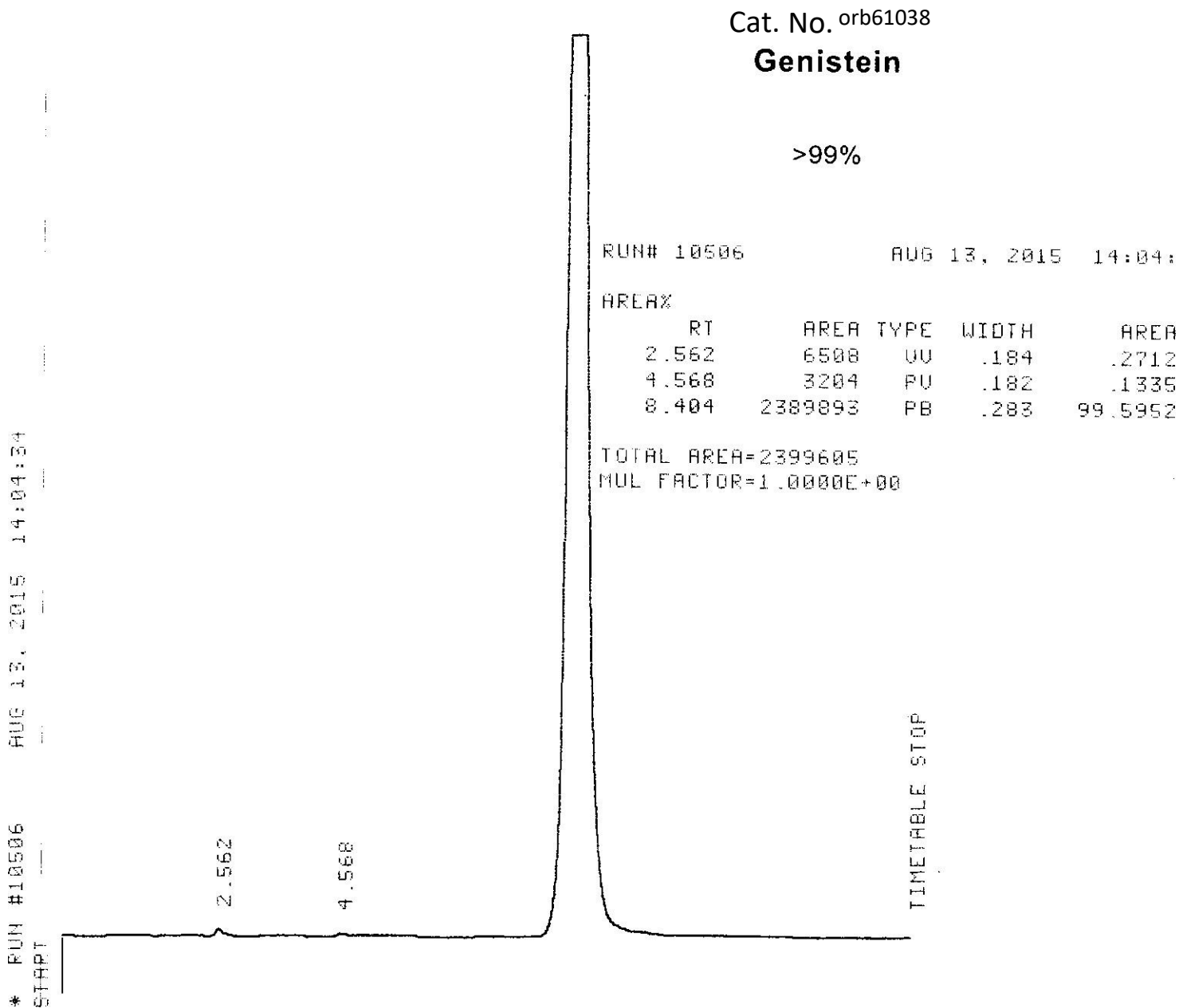
HPLC PURITY >99% (see attached chromatogram)

TLC PURITY >99% (see attached chromatogram)

MELTING POINT 301.5-304 °C

<u>ELEMENTAL ANALYSIS</u>	For C ₁₅ H ₁₀ O ₅ .	<u>Calculated</u>	<u>Found</u>
		C 66.67%	66.75%
		H 3.73%	3.76%

EXPIRATION DATE: August 13, 2025 (if stored at -20 °C)
August 13, 2015

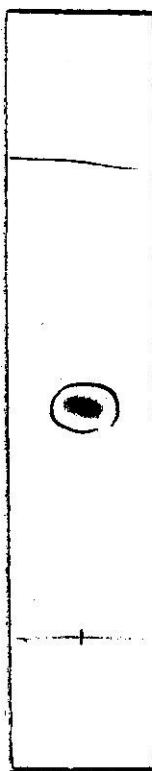


HPLC: C18 Column, 4.6 mm x 30 cm
Acetonitrile/Methanol/Water/Acetic Acid 30/15 / 55/0.1
2 mL/min
UV254 Detection

Cat. No. orb61038

Genistein

> 99%



- TLC: 60 Å silica gel plates with fluorescent indicator
- Develop with methylene chloride/ methanol 94/6
- Visualize via short wave UV fluorescence quenching
- Also visualize by exposure to iodine vapor