



CERTIFICATE OF ANALYSIS

PRODUCT: **Daidzein**
[7,4'-Dihydroxyisoflavone]; (synthetic)
C₁₅H₁₀O₄, M.W. 254.2, CAS # [486-66-8], M.I. 14: 2801

PRODUCT NUMBER: D-1019

LOT NUMBER: C1319

APPEARANCE: White to off-white solid powder

PURITY (HPLC): ≥ 98.0%

SOLUBILITY: Soluble in DMSO (25 mg/mL); slightly soluble in 100% ethanol (2 mg/mL); insoluble in water.

PRODUCT DESCRIPTION: Inactive analog of the tyrosine kinase inhibitor genistein (Prod.# G-1015). Shares with genistein a number of effects thought to be unrelated to tyrosine kinase inhibition. These include activation of the human estrogen receptor, induction of differentiation in leukemia cells and inhibition of fast Na⁺ channels. Shows anti-inflammatory effect.

STORAGE & HANDLING: Store desiccated at -20°C. **WARNING: IRRITANT!**

CAUTION: For research use only. Not for human or drug use. The pharmacological and toxicological properties of this product have not been fully investigated. Use caution when handling. Do not use this compound if you are not fully trained or are unaware of the hazards involved.

Verified:

A handwritten signature in blue ink, appearing to be 'A. G. Scientific'.