



CERTIFICATE of ANALYSIS

PRODUCT:	Ferutinin (high purity) [Tefestrol], C ₂₂ H ₃₀ O ₄ , M.W. 358.5, CAS# [41743-44-6]
PRODUCT NUMBER:	F-1140
LOT NUMBER:	B1620
APPEARANCE:	Off-white solid
SOLUBILITY:	Soluble in acetone, dichloromethane, DMSO or ethyl acetate.
PURITY (HPLC):	98.4%
OTHER DATA:	Potent, naturally occurring non-steroid estrogenic compound. Agonist for estrogen receptor (ER) α and agonist/antagonist for ER β with higher binding affinity than tamoxifen for both ERs. Electrogenic Ca ²⁺ ionophore inducing mitochondrial depolarisation which can be completely blocked by cyclosporin A, suggesting that ferutinin opens the mitochondrial permeability transition pore (mPTP). In a concentration range of 1-50 μ M ferutinin increases the permeability of thymocytes, mitochondria, sarcoplasmic reticulum, liposomes and bilayer lipid membranes for Ca ²⁺ .
STORAGE & HANDLING:	Store at +4°C. 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: DD