



CERTIFICATE OF ANALYSIS

PRODUCT: (-)-Arctiin,
[(3R,4R)-4-[(3,4-Dimethoxyphenyl)methyl]-3-[[4-β-D-glucopyranosyloxy)-3-methoxyphenyl]methyl]dihydro-2(3H)-furanone],
C₂₇H₃₄O₁₁, M.W. 534.6, CAS# [20362-31-6]

PRODUCT NUMBER: A-1306

LOT NUMBER: B1066

SOURCE: Isolated by *Arctium lappa*

APPEARANCE: Off-white solid

SOLUBILITY: Soluble in DMSO (5mg/ml); sparingly soluble in water

PURITY (HPLC): ≥ 99.9%

PRODUCT DESCRIPTION: Lignan derivative with antitumor activities. Down-regulates anti-apoptotic protein Bcl-X_L. Potent inhibitor of HIV type-I integrase and DNA topoisomerase II. Shows phytoestrogenic activity and is an antagonist for platelet activating factor and Ca²⁺.

STORAGE & HANDLING: Store at -20°C. **PROTECT FROM LIGHT!**
CAUTION: For laboratory research & scientific manufacturing 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: **KT**