

Certificate of Analysis

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| PRODUCT: | Carnosol [1,3,4,9,10,10aS-Hexahydro-5,6-dihydroxy-1,1-dimethyl-7-isopropyl-2 <i>H</i> -9 <i>S</i> ,4 <i>aR</i> -(epoxymethano) phenanthren-12-one] C₂₀H₂₆O₄, M.W. 330.4, CAS# [5957-80-2] |
| PRODUCT NUMBER: | C-1211 |
| LOT NUMBER: | L1025 |
| APPEARANCE: | White to off-white powder |
| SOLUBILITY: | Soluble in DMSO @ 25 mg/ml or Ethanol @ 8 mg/ml |
| PURITY (HPLC): | 99.50% |
| NMR: | Conforms |
| OTHER DATA: | Naturally occurring polyphenol found in rosemary and other herbs such as mountain desert sage (<i>Salvia pachyphylla</i>). Antioxidant. Down-regulates NFκB in mouse macrophages. Inhibits invasion of B16/F10 mouse melanoma cells via inhibition of NFκB. Inhibits β-catenin tyrosine phosphorylation and prevents adenoma formation in the C57BL/6J/Min/+(Min/+) mouse. Displays anti-inflammatory activity. |
| STORAGE & HANDLING: | Store desiccated at -20°C. Keep cool and dry! 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: EV