PRODUCT DATA SHEET

Reticulol

Code No.: BIA-R1077
Pack sizes: 1 mg, 5 mg

Synonyms: 6,8-Dihydroxy-7-methoxy-3-methylisocoumarin

Specifications

- CAS #: 26246-41-3
- Molecular Formula: C₁₁H₁₀O₅
- Molecular Weight: 222.2
- Source: Streptomyces sp.
- Appearance: White Powder
- Purity: >95% by HPLC
- Long Term Storage: -20°C
- Solubility: Soluble in ethanol, methanol, DMF or DMSO. Poor water solubility.

Application Notes

Reticulol is an isocoumarin metabolite produced by selected species of Streptomyces. Reticulol was first described as a potent inhibitor of cyclic nucleotide phosphodiesterase but more recent research has demonstrated a topoisomerase I inactivation mechanism. Reticulol also causes dose dependent inhibition of lung metastasis in the B16F10 melanoma model.

References