Duclauxin

Synonyms: NSC 258308

Specifications
- CAS #: 1732-37-2
- Molecular Formula: C_{29}H_{22}O_{11}
- Molecular Weight: 546.5
- Source: Aspergillus sp.
- Appearance: Off-white solid
- Purity: >95% by HPLC
- Long Term Storage: -20°C
- Solubility: Soluble in ethanol, methanol, DMF or DMSO.

Application Notes
Duclauxin is a dimeric oxaphenalenone isolated from Penicillium duclauxii by researchers at Tokyo University in 1965. The structure of duclauxin was determined by X-ray crystallography of bromoduclauxin. Duclauxin inhibits mammalian tumor cell line growth and appears to act as a potent uncoupler of oxidative phosphorylation. Duclauxin is a useful standard for chemotaxonomy of Penicillium and Talaromyces species.

References