PRODUCT INFORMATION

Duclauxin
Item No. 22068

CAS Registry No.: 1732-37-2
Formal Name: (8S,8aS,15aR,15bR,16S)-16-(acetyloxy)-8a,15a-dihydro-4,11-7H-8,15b-methano-1H,3H,12H-benzo[de]cyclohepta[1,2-g:3,4,5-d'e']bis[2]benzopyran-3,7,12,15(8H)-tetrone
MF: C_{29}H_{22}O_{11}
FW: 546.5
Purity: ≥95%
Supplied as: A solid
Storage: -20°C
Stability: ≥4 years

Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

Duclauxin is supplied as a solid. A stock solution may be made by dissolving the duclauxin in the solvent of choice, which should be purged with an inert gas. Duclauxin is soluble in organic solvents such as ethanol, methanol, DMSO, and dimethyl formamide.

Description

Duclauxin decreases proliferation of tumor cells in vitro and increases the lifespan of mice inoculated with Ehrlich ascitic tumor cells.\(^1,2\) Duclauxin (10-30 µg/ml) inhibits mitochondrial respiration of P-388 tumor cells and nucleic acid synthesis in cell culture of Ehrlich cancer, the lymphadenomas NK/Li and L 5178, and sarcoma 37.\(^3,4\) Duclauxin also inhibits growth of wheat coleoptile.\(^4,5\)

References