

Combretastatin A4

Cat. No. CEI-0566

Lot. No. (See product label)

Introduction

Description A vascular disrupting, antineoplastic and microtubule-depolymerizing agent. Binds to tubulin dimers and prevents microtubule polymerization, resulting in mitotic arrest and apoptosis in endothelial cells. In addition, it disrupts the engagement of the endothelial cell-specific junctional molecule vascular endothelial-cadherin (VE-cadherin) and thus the activity of the VE-cadherin/ β -catenin signaling pathway, which may result in the inhibition of endothelial cell migration and capillary tube formation.

Synonyms CRC 87-09, NSC 817373

Product Information

Appearance Crystalline solid

CAS No. 117048-59-6

Molecular Formula C₁₈ H₂₀ O₅

Chemical Name 2-Methoxy-5-[(1Z)-2-(3,4,5-trimethoxyphenyl)ethenyl]phenol

Molecular Weight 376.41

Purity >99% by HPLC

Targets Microtubule

Solubility DMSO (38 mg/ml)

Storage and Shipping Information

Storage -20 centigrade

Shipping Conditions RT