

## 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/ $\beta$ -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

C<sub>18</sub> H<sub>20</sub> O<sub>5</sub>

#### 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