

Product Name	: Combretastatin A-1
Synonyms	: —
Cat No.	: M34890
CAS Number	: 109971-63-3
Molecular Formula	: C ₁₈ H ₂₀ O ₆
Formula Weight	: 332.35
Chemical Name	: —
Description	Combretastatin A-1 is a microtubule polymerization inhibitor that binds to the colchicine-binding site of tubulin. Combretastatin A-1 inhibits the Wnt/β-catenin pathway through tubulin depolymerization mediated AKT deactivation. Combretastatin A-1 exhibits anti-tumor and anti-vascular effects.
Pathway	: Others
Target	: Other Targets
Receptor	: Microtubule Associated Akt
Solubility	: In Vitro: ?DMSO : ≥ 100 mg/mL (300.89 mM)
SMILES	: <chem>COc1ccc(\C=C/c2cc(OC)c(OC)c(OC)c2)c(O)c1O</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Pettit GR, et, al. Isolation, structure, and synthesis of combretastatins A-1 and B-1, potent new inhibitors of microtubule assembly, derived from Combretum caffrum. J Nat Prod. Jan-Feb 1987;50(1):119-31.?