



## Product Information

### Microtubule/Tubulin inhibitor, Fosbretabulin disodium, Purity $\geq 98\%$

**Cat. No.:** X24-08-YM226

**Size:** 10 mg; 25 mg; 50 mg; 100 mg

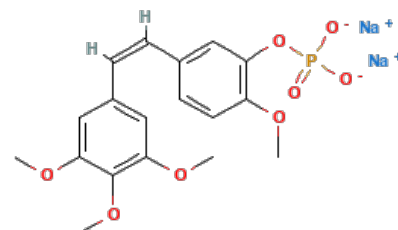
**MDL:** MFCD00943911

**CAS Number:** 168555-66-6

**Compound CID:** 6918309

**Synonym:** 168555-66-6; CA4P; Combretastatin A4 disodium phosphate; CA4DP; Disodium; [2-methoxy-5-[(Z)-2-(3,4,5-trimethoxyphenyl)ethenyl]phenyl] phosphate

**This product is for research use only and is not intended for diagnostic use.**



#### Product Information

<b>Description</b>	Fosbretabulin disodium, soluble in DMSO and water and insoluble in ethanol, is an effective cytoskeleton inhibitor, that has the ability to prevent the pathway of cytoskeletal signaling by inhibiting microtubule/tubulin. It targets the tubulin (cell-free assay).
<b>Molecular Weight</b>	440.29
<b>Molecular Formula</b>	C <sub>18</sub> H <sub>19</sub> Na <sub>2</sub> O <sub>8</sub> P
<b>Targets</b>	Tubulin (Cell-free assay): 2.4 $\mu$ M
<b>IUPAC Name</b>	Disodium; [2-methoxy-5-[(Z)-2-(3,4,5-trimethoxyphenyl)ethenyl]phenyl] phosphate
<b>InChI</b>	InChI=1S/C18H21O8P.2Na/c1-22-14-8-7-12(9-15(14)26-27(19,20)21)5-6-13-10-16(23-2)18(25-4)17(11-13)24-3; ; /h5-11H,1-4H3,(H2,19,20,21); ; /q; 2*+1/p-2/b6-5-; ;
<b>InChI Key</b>	VXNQMUVMIEIGUJW-XNOMRPFSA-L
<b>Canonical SMILES</b>	<chem>COC1=C(C=C(C=C1)C=CC2=CC(=C(C(=C2)OC)OC)OC)OP(=O)([O-])[O-].[Na+].[Na+]</chem>
<b>Isomeric SMILES</b>	<chem>COC1=C(C=C(C=C1)/C=C/C2=CC(=C(C(=C2)OC)OC)OC)OP(=O)([O-])[O-].[Na+].[Na+]</chem>
<b>Form</b>	Lyophilized powder
<b>Purity</b>	$\geq 98\%$
<b>Titer</b>	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects
<b>Solubility</b>	<i>In vitro</i> : DMSO: insoluble; Water: 25 mg/mL (56.78 mM); Ethanol: insoluble; <i>In vivo</i> : Saline with a few drops of 5% Na <sub>2</sub> CO <sub>3</sub> , 28 mg/mL
<b>Stability</b>	In its lyophilized form, the chemical remains stable for 36 months.
<b>Quality Level</b>	Research grade
<b>Applications</b>	Fosbretabulin disodium is a cytoskeletal signaling inhibitor that can be studied extensively for its



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potential therapeutic applications in the treatment of various solid tumors.

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**Storage**

Store at -20°C, and keep desiccated.

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