



Product Information

Microtubule/Tubulin inhibitor, Vinflunine tartrate, Purity ≥98%

Cat. No.: X24-08-YM219

Size: 5 mg; 10 mg; 50 mg; 100 mg

CAS Number: 1201898-17-0

Compound CID: 53245637

Synonym: 1201898-17-0; (2*R*,3*R*)-2,3-Dihydroxybutanedioic acid;

(2*R*,3*R*)-2,3-Dihydroxybutanedioic acid; methyl

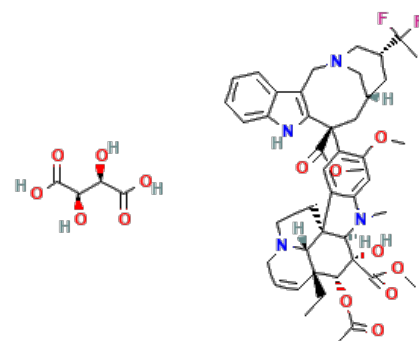
(1*R*,9*R*,10*S*,11*R*,12*R*,19*R*)-11-acetyloxy-4-[(12*S*,14*R*,16*R*

)-16-(1,1-difluoroethyl)-12-methoxycarbonyl-1,10-diazatetracyclo[12.3.1.03,11.04,9]oc

tadeca-3(11),4,6,8-tetraen-12-yl]-12-ethyl-10-hydroxy-5-methoxy-8-methyl-8,16-diaza

pentacyclo[10.6.1.01,9.02,7.016,19]nonadeca-2,4,6,13-tetraene-10-carboxylate

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



Product Information

Description	Vinflunine tartrate is an effective cytoskeleton inhibitor, that has the ability to prevent the pathway of cytoskeletal signaling by inhibiting microtubule/tubulin. It targets the microtubules.
Molecular Weight	967
Molecular Formula	C ₄₅ H ₅₄ F ₂ N ₄ O ₈ ·xC ₄ H ₆ O ₆
Targets	Microtubules: 1.2 μM
IUPAC Name	(2 <i>R</i> ,3 <i>R</i>)-2,3-Dihydroxybutanedioic acid; methyl (1 <i>R</i> ,9 <i>R</i> ,10 <i>S</i> ,11 <i>R</i> ,12 <i>R</i> ,19 <i>R</i>)-11-acetyloxy-4-[(12 <i>S</i> ,14 <i>R</i> ,16 <i>R</i>)-16-(1,1-difluoroethyl)-12-methoxycarbonyl-1,10-diazatetracyclo[12.3.1.03,11.04,9]octadeca-3(11),4,6,8-tetraen-12-yl]-12-ethyl-10-hydroxy-5-methoxy-8-methyl-8,16-diazapentacyclo[10.6.1.01,9.02,7.016,19]nonadeca-2,4,6,13-tetraene-10-carboxylate
InChI	InChI=1S/C45H54F2N4O8.C4H6O6/c1-8-42-14-11-16-51-17-15-43(36(42)51)30-19-31(34(56-5)20-33(30)49(4)37(43)45(55,40(54)58-7)38(42)59-25(2)52)44(39(53)57-6)21-26-18-27(41(3,46)47)23-50(22-26)24-29-28-12-9-10-13-32(28)48-35(29)44; 5-1(3(7)8)2(6)4(9)10/h9-14,19-20,26-27,36-38,48,55H,8,15-18,21-24H2,1-7H3; 1-2,5-6H,(H,7,8)(H,9,10)/t26-,27-,36+,37-,38-,42-,43-,44+,45+; 1-,2-/m11/s1
InChI Key	TXONSEMUKVZUON-SYVFVGEFSA-N
Canonical SMILES	CCC12C=CCN3C1C4(CC3)C(C(C2OC(=O)C)(C(=O)OC)O)N(C5=CC(=C(C=C45))C6(CC7CC(CN(C(C7)CC=C6NC9=CC=CC=C89)C(C)(F)F)C(=O)OC)OC)C.C(C(C(=O)O)O)(C(=O)O)O



Isomeric SMILES	<chem>CC[C@@]12C=CCN3[C@@H]1[C@]4(CC3)[C@H]([C@]([C@@H]2OC(=O)C)(C(=O)OC)O)N(C5=CC(=C(C=C45)[C@]6(C[C@H]7C[C@H](CN(C7)CC8=C6NC9=CC=CC=C89)C(C)(F)F)C(=O)OC)OC)C.[C@@H]([C@H](C(=O)O)O)(C(=O)O)O</chem>
Form	Lyophilized powder
Purity	≥98%
Titer	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects
Stability	In its lyophilized form, the chemical remains stable for 36 months.
Quality Level	Research grade
Applications	Vinflunine tartrate is a cytoskeletal signaling inhibitor that can be studied extensively for its potential therapeutic applications in the treatment of various cancers, including advanced or metastatic transitional cell carcinoma of the bladder and other solid tumors.
Storage	Store at -20°C, and keep desiccated.