

Product Datasheet

Cytostatin (sodium salt) (orb1985121)

Description	Cytostatin (sodium salt) is a natural antitumor inhibitor of cell adhesion to extracellular matrix, blocking adhesion of B16 melanoma cells to laminin and collagen type IV in vitro (IC50s = 1.3 and 1.4 µg/ml, respectively) and B16 cells metastatic activity in mice. It induces apoptosis of FS3 mouse fibrosarcoma cells (IC50 = 3.1 µg/ml). Cytostatin (sodium salt) potently and selectively inhibits protein phosphatase 2A (PP2A; IC50 = 29 nM against the catalytic subunit), while having no effect against PP1, PP2B, or PP5.
Storage	-20°C
Note	For research use only
Formula	C ₂₁ H ₃₃ NaO ₇ P
Purity	98.00%
MW	451.452
CAS Number	457070-06-3
SMILES	[Na].[H][C@]1(OC(=O)C=C[C@@H]1C)[C@@H](C)CC[C@H](OP(O)(O)=O)[C@@H](C)[C@@H](O)\C=C/C=C\C=C\C c:5
Expiration Date	12 months from date of receipt.

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