

---

## Fludarabine Phosphate

产品编号: D53900

CAS: 75607-67-9

分子式: C<sub>10</sub>H<sub>13</sub>FN<sub>5</sub>O<sub>7</sub>P

纯度: 98.26%

InChi Key: InChiKey=GIUYCYHIANZCFB-FJFJXFQQA-N

Smiles: P(=O)(O)(O)OC[C@H]1O[C@H]([C@H]([C@@H]1O)O)n1cnc2c1nc(nc2N)F

外观: 固体粉末

作用通路: Apoptosis; Cell Cycle/Checkpoint; DNA Damage/DNA Repair

作用靶点: Apoptosis; DNA/RNA Synthesis; Nucleoside Antimetabolite/Analog

溶解性: DMSO:68 mg/mL (186.2 mM);Water:2 mg/mL (5.47 mM), warmed;Ethanol:<1 mg/mL

保存条件: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

产品介绍: Fludarabine Phosphate is the phosphate salt of a fluorinated nucleotide antimetabolite analog of the antiviral agent vidarabine (ara-A) with antineoplastic activity. Fludarabine phosphate is rapidly dephosphorylated to 2-fluoro-ara-A and then phosphorylated intracellularly by deoxycytidine kinase to the active triphosphate, 2-fluoro-ara-ATP. This metabolite may inhibit DNA polymerase alpha, ribonucleotide reductase, and DNA primase, thereby interrupting DNA synthesis and inhibiting tumor cell growth.