

## Product Information

### Gemcitabine elaidate, Purity $\geq 98\%$

**Cat. No.:** X24-09-YM1241

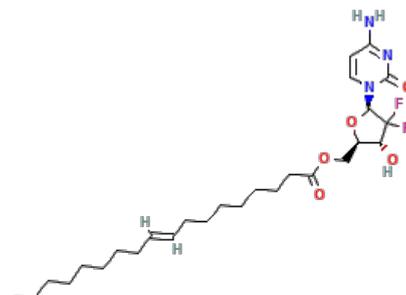
**Size:** 5 mg; 10 mg; 25 mg; 50 mg

**CAS Number:** 210829-30-4

**Compound CID:** 9828310

**Synonym:** 210829-30-4; CO-101; CP-4126;

[(2*R*,3*R*,5*R*)-5-(4-Amino-2-oxopyrimidin-1-yl)-4,4-difluoro-3-hydroxyoxolan-2-yl]methyl  
(*E*)-octadec-9-enoate



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

#### Product Information

<b>Description</b>	Gemcitabine elaidate is a lipophilic, unsaturated fatty acid ester derivative of gemcitabine (dFdC). The molecular weight of the compound is 527.6, and its molecular formula is $C_{27}H_{43}F_2N_3O_5$ .
<b>Molecular Weight</b>	527.6
<b>Molecular Formula</b>	$C_{27}H_{43}F_2N_3O_5$
<b>IUPAC Name</b>	[(2 <i>R</i> ,3 <i>R</i> ,5 <i>R</i> )-5-(4-Amino-2-oxopyrimidin-1-yl)-4,4-difluoro-3-hydroxyoxolan-2-yl]methyl ( <i>E</i> )-octadec-9-enoate
<b>InChI</b>	InChI=1S/C27H43F2N3O5/c1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-23(33)36-20-21-24(34)27(28,29)25(37-21)32-19-18-22(30)31-26(32)35/h9-10,18-19,21,24-25,34H,2-8,11-17,20H2,1H3,(H2,30,31,35)/b10-9+/t21-,24-,25-/m1/s1
<b>InChI Key</b>	HESSNRGIEVBPRB-QDDPNBLJSA-N
<b>Canonical SMILES</b>	<chem>CCCCCCCC=CCCCCCCC(=O)OCC1C(C(O1)N2C=CC(=NC2=O)N)(F)F)O</chem>
<b>Form</b>	Lyophilized powder
<b>Purity</b>	$\geq 98\%$
<b>Impurities</b>	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects.
<b>Identity</b>	Confirmed by NMR/HPLC/MS.
<b>Stability</b>	In its lyophilized form, the chemical remains stable for 36 months.
<b>Quality Level</b>	Research grade
<b>Applications</b>	Gemcitabine elaidate can be studied extensively for its potential therapeutic applications in the treatment of various cancers, including pancreatic cancer.
<b>Storage</b>	Store at $-20^{\circ}\text{C}$ , and keep desiccated.

