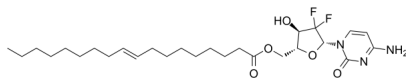


## Data Sheet

### Product Information

Catalog Number	BP10994
Product Name	Gemcitabine elaidate
Description	Gemcitabine elaidate, is a lipophilic, unsaturated fatty acid ester derivative of gemcitabine (dFdC), an antimetabolite deoxynucleoside analogue, with potential antineoplastic activity. Upon hydrolysis intracellularly by esterases, the prodrug gemcitabine is converted into the active metabolites difluorodeoxycytidine di- and tri-phosphate (dFdCDP and dFdCTP) by deoxycytidine kinase. dFdCDP inhibits ribonucleotide reductase, thereby decreasing the deoxynucleotide pool available for DNA synthesis; dFdCTP is incorporated into DNA, resulting in DNA strand termination and apoptosis.
Synonyms	CO-101, Gemcitabine (elaidate), CP-4126, Gemcitabine 5'-elaidate
CAS No.	210829-30-4
Chemical Formula	C <sub>27</sub> H <sub>43</sub> F <sub>2</sub> N <sub>3</sub> O <sub>5</sub>
Molecular Weight	527.654
Solubility	DMSO: 26 mg/mL (49.28 mM)
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year

Chemical Structure  
OR  
Tested Image



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v2 Revision on 12/28/2022