

Gemcitabine monophosphate

Catalog No: #S4187

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

Product Name	Gemcitabine monophosphate
Brief Description	Inhibitors
Purification	98.00%
Target Name	Autophagy; DNA Alkylation; DNA/RNA Synthesis; Others
Calculated MW	405.15811
Formulation	C9H12F2N3Na2O8P
Storage	3 years -20°C powder; 2 years -80°C in solvent;

Product Description

Research Area: Cancer
SMILES: O=C1N=C(N)C=CN1[C@@H]2O[C@H](COP(O[Na])(O[Na])=O)[C@@H](O)C2(F)F
Pathways: Autophagy; DNA Damage/DNA Repair; Others
Receptor: Autophagy; DNA; Thymidylate synthase; UMP-CMP kinase
Boiling pt: Melting pt: Solubility: Soluble in DMSO, not in water
Appearance: Remark: For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20 °C for several month.

References

1. Miao L, et al. Nanoparticles with Precise Ratiometric Co-Loading and Co-Delivery of Gemcitabine Monophosphate and Cisplatin for Treatment of Bladder Cancer. *Adv Funct Mater.* 2014 Nov 12;24(42):6601-6611. PubMed PMID: 25395922; PubMed Central PMCID: PMC4225819.

Note: This product is for in vitro research use only