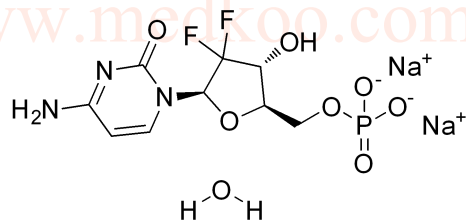
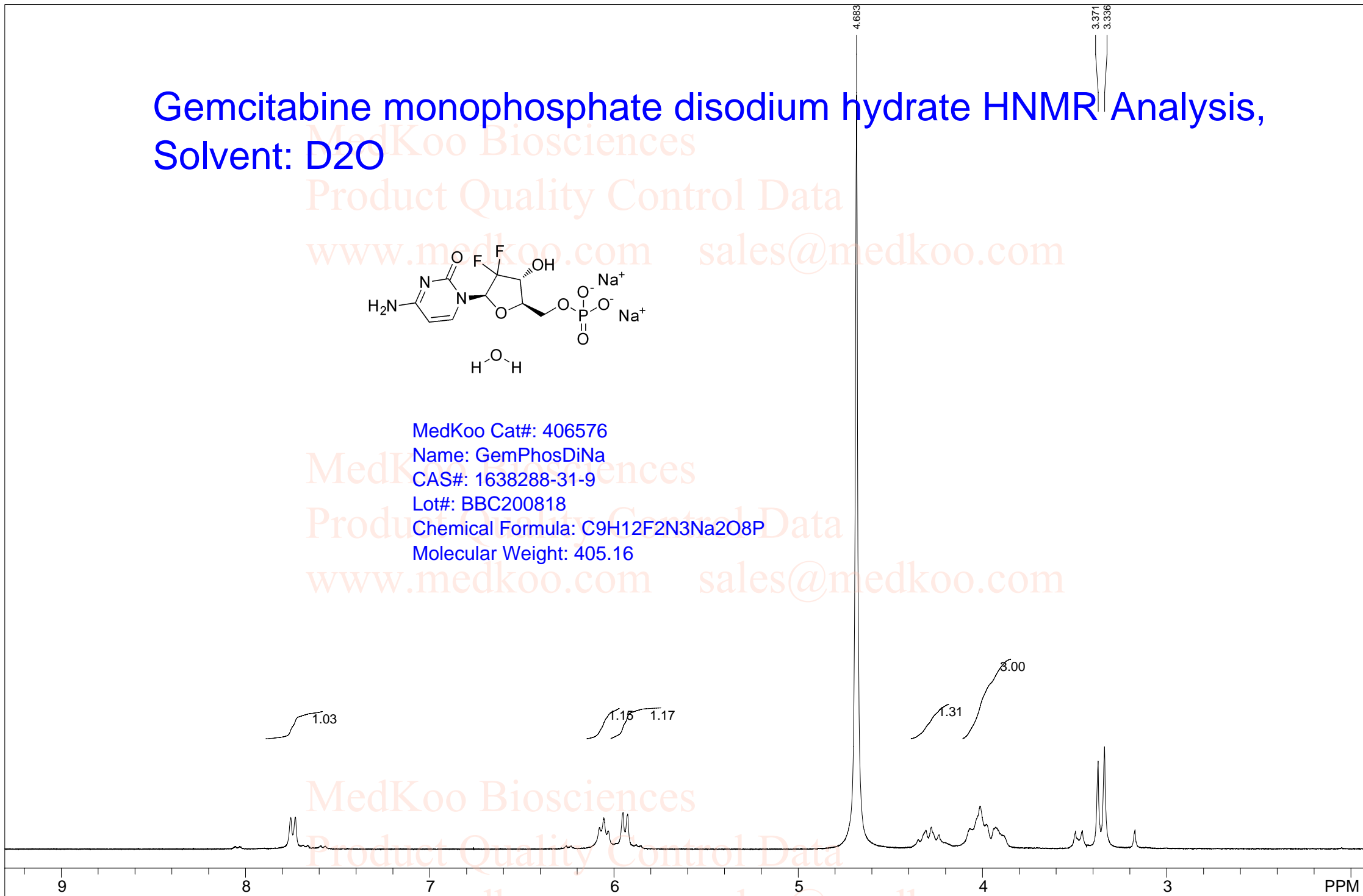


Gemcitabine monophosphate disodium hydrate HNMR Analysis, Solvent: D2O



MedKoo Cat#: 406576
Name: GemPhosDiNa
CAS#: 1638288-31-9
Lot#: BBC200818
Chemical Formula: C₉H₁₂F₂N₃Na₂O₈P
Molecular Weight: 405.16



FOURIER300.D2O

F1: 300.182

EX: zg30

SW1: 6104

PW: 10.5 usec

PD: 1.0 sec

OR1: 1853.8

NA: 8

LB: 0.0

USER: MedKoo PTSId: 65536

sales@medkoo.com

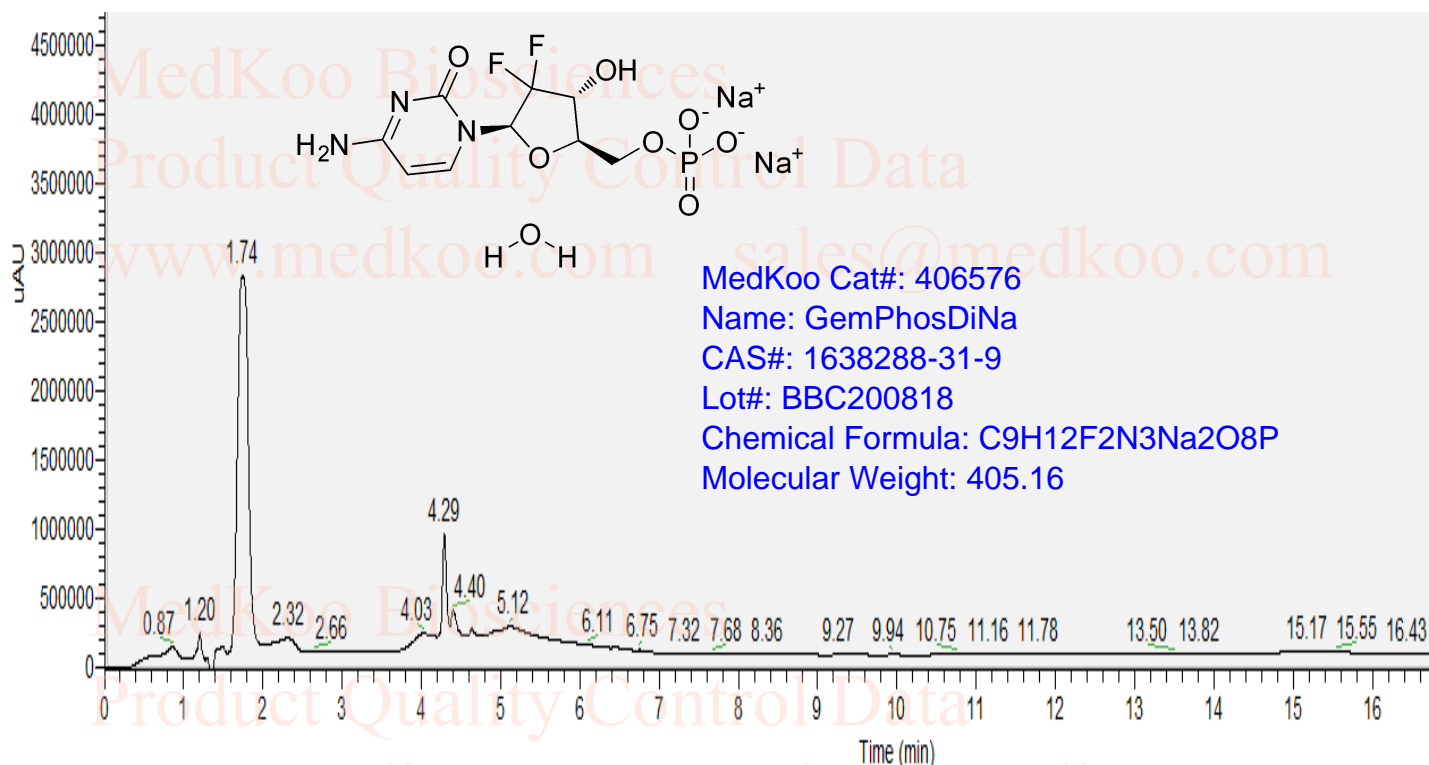
柴仕浚 - - \$pdata



LC-MS Analytical Report

MedKoo Cat#:	Product Name:	Lot#
406576	GemPhosDiNa (Gemcitabine monophosphate disodium hydrate)	BBC200818

- Instrument: Agilent LC/MS system (1100 HPLC and MSD Trap XCT Plus mass spectrometer with UV-Vis detector).
- HPLC condition:
 - Mobile phase A: H₂O with 0.1% formic acid; Mobile phase B: ACN with 0.1% formic acid.
 - Flow rate: 0.25 ml/min.
 - Column: Phenomenex Gemini 3u C6-phenyl 110 A (100 × 2 mm).
 - Gradient: 0-1 min, 50% A; 5-8.5 min, 0% A.
- MS condition: Nebulizer, dry gas and dry temperature are 30 psi, 8L/min, and 350°C, respectively.



Note: UV chromatogram @210 nm with C6 column (overall, the purity is 90.8%):



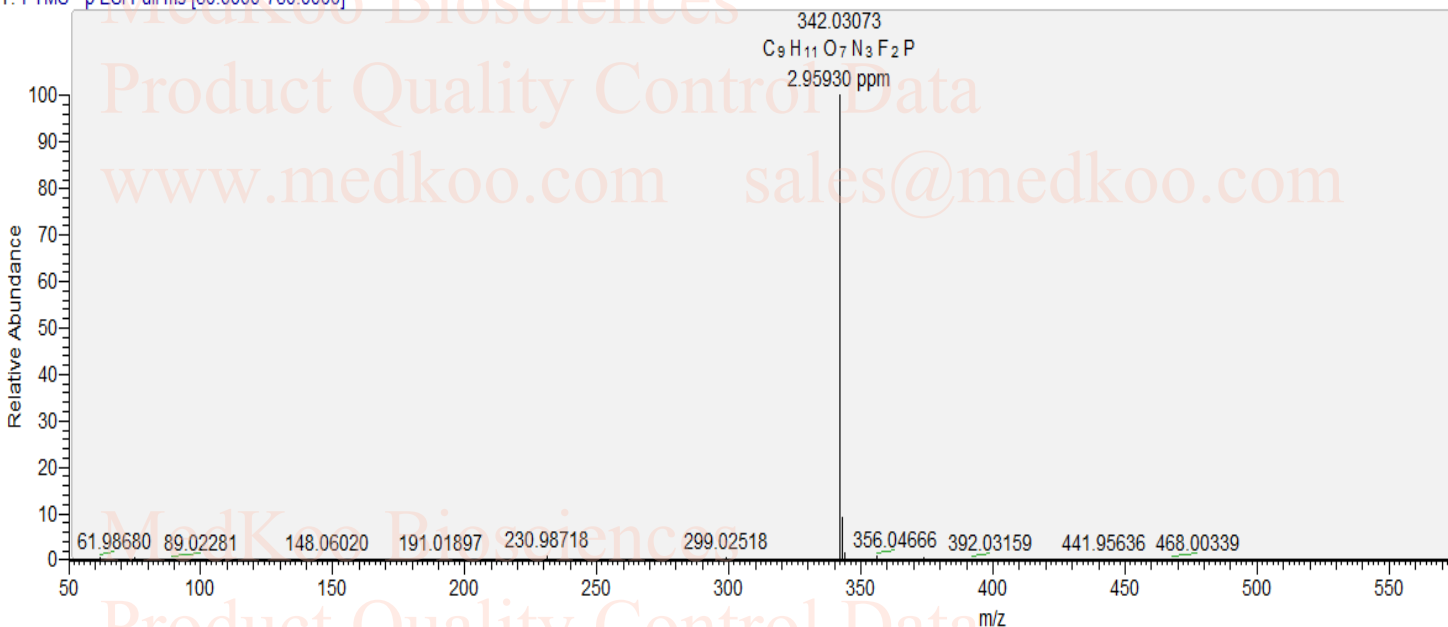
LC-MS Analytical Report

MedKoo Cat#:	Product Name:	Lot#
406576	GemPhosDiNa (Gemcitabine monophosphate disodium hydrate)	BBC200818

Chemical structure	CAS# and Theoretical analysis
 <chem>NC1=NC(=O)N[C@@H]2[C@H](F)[C@@H](O)[C@H](COP(=O)([O-])[O-])[C@@H]2O.O</chem>	MedKoo Cat#: 406576 Name: GemPhosDiNa CAS#: 1638288-31-9 Lot#BBC200818 Chemical Formula: C ₉ H ₁₂ F ₂ N ₃ Na ₂ O ₈ P Molecular Weight: 405.16 Gemcitabine monophosphoric acid Chemical Formula: C ₉ H ₁₂ F ₂ N ₃ O ₇ P Exact Mass: 343.03809, Molecular Weight: 343.18

Mass spectrum (negative electrospray ionization) from above peak @ 1.7 min:

406576 #178 RT: 1.74 AV: 1 NL: 4.43E8
T: FTMS - p ESI Full ms [50.0000-750.0000]



Note: [M - H]⁻ confirms target compound (free base) (if the error between the theoretical m/z and the experimental m/z is less than 5 ppm, it is considered as a match).