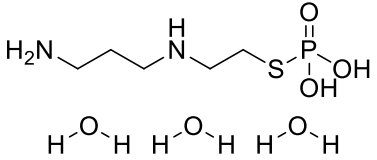




Certificate of Analysis

MedKoo Cat#:	Product Name:	Lot#:
100050	Amifostine	BBC41022

Chemical name	
S-(2-((3-aminopropyl)amino)ethyl) O,O-dihydrogen phosphorothioate trihydrate	
Synonyms	
Aminopropylaminoethylthiophosphoric Acid; ethiofos; gammaphos. US brand name: Ethiol. Abbreviation: APAETP. Code names: WR-2721; YM-08310.	
Chemical structure	CAS# and Theoretical analysis
	MedKoo Code#: 100050 Name: Amifostine trihydrate Lot#: BBC41022 CAS#: 20537-88-6 Chemical Formula: C5H21N2O6PS Molecular Weight: 268.27
	<i>Amifostine (anhydrous)</i> Chemical Formula: C5H15N2O3PS Exact Mass: 214.05410, Molecular Weight: 214.22

Analysis item	Specifications / Results
Appearance	White to off-white solid powder
Structure	¹ H-NMR analysis matches the structure. MS analysis gives the correct molecule weight. Both NMR and MS data are consistent with those reported in the literature.
Purity (HPLC)	>99.0%
Solubility	Soluble in water
Conclusion	This product conforms with MedKoo's quality standards
Shipping condition	Shipped under ambient temperature as non-hazardous chemical. This product is stable for a few weeks during ordinary shipping and time spent in customs.
Storage condition	Short term storage (weeks): 0 – 4 °C under dry condition Long term storage (months): -20 °C under dry condition
Shelf life	At least 5 years if properly stored.

CAUTION: NOT FULLY TESTED. FOR RESEARCH ONLY, NOT FOR HUMAN USE