



LKT Laboratories, Inc.

Amifostine Trihydrate

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Product Information

Product ID A4933

CAS No. 112901-68-5

Chemical Name Ethanethiol, 2-((3-aminopropyl)amino)-, dihydrogen phosphate (ester), trihydrate

Synonym Ethiofos, Gammaphos, SAPEP, Ethyol

Formula $C_5H_{15}N_2O_3PS \cdot 3H_2O$

Formula Wt. 268.27

Melting Point 160-161 °C

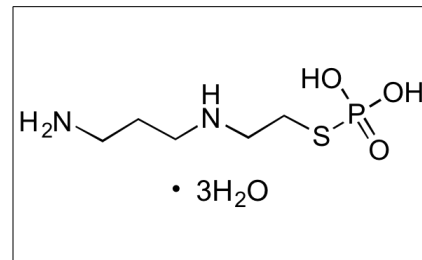
Purity ≥98%

Solubility Soluble in water.

Store Temp Ambient

Ship Temp Ambient

Description Amifostine is a thiol prodrug that exhibits antioxidative activity. Amifostine is co-administered with chemotherapeutics to detoxify their metabolites and scavenge for free radicals, protecting normal tissue and DNA against chemotherapy- or radiation-induced damage. TEST!!!!!!



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
A4933	50 mg	\$67.40
A4933	100 mg	\$119.90
A4933	500 mg	\$419.50

References Chen C, Tian L, Zhang M, et al. Protective effect of amifostine on high-dose methotrexate-induced small intestinal mucositis in mice. *Dig Dis Sci*. 2013 Nov;58(11):3134-43. PMID: 23979434.

Lv W, Zhang M, Zhang Z, et al. Amifostine acts upon mitochondria to stimulate growth of bone marrow and regulate cytokines. *Adv Exp Med Biol*. 2013;789:195-201. PMID: 23852495.

Wozniak K, Gloc E, Morawiec Z, et al. Amifostine can differentially modulate DNA double-strand breaks and apoptosis induced by idarubicin in normal and cancer cells. *Exp Oncol*. 2008 Mar;30(1):22-8. PMID: 18438337.

Kouvaris JR, Kouloulis VE, Vlahos LJ. Amifostine: the first selective-target and broad-spectrum radioprotector. *Oncologist*. 2007 Jun;12(6):738-47. PMID: 17602063.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.