



Catalog # 10-2291

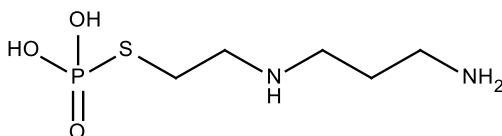
Amifostine

CAS# 20537-88-6

S-2(3-Aminopropylamino)-ethylphosphothioic acid

WR-2721

Lot # X102177



Broad spectrum radio- and chemoprotective agent.¹ Prevents chemotherapy-induced apoptosis, upregulates HIF-1 α and restores transcriptional activity in specific p53 mutants.²⁻³

- 1) Capizzi *et al.* (2000), *Chemoprotective and radioprotective effects of amifostine: an update of clinical trials*; Int. J. Hematol., **72** 425
- 2) Provinciali *et al.* (1999), *In vivo amifostine (WR-2721) prevents chemotherapy-induced apoptosis of peripheral blood lymphocytes from cancer patients*; Life Sci., **64** 1525
- 3) Koukourakis *et al.* (2004), *Amifostine before chemotherapy: improved tolerance profile of the subcutaneous over the intravenous route.*; Cancer Chemother. Pharmacol., **53** 8

PHYSICAL DATA

Molecular Weight:	214.22
Molecular Formula:	C ₅ H ₁₅ N ₂ O ₃ PS
Purity:	98% by TLC
	NMR: (Conforms)
Solubility:	Water
Physical Description:	White solid
Storage and Stability:	Store as supplied at room temperature for up to 1 year from the date of purchase. Solutions in distilled water may be stored at -20°C for up to 3 months.

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