>>**Entry Name: Amifostine,** BAN, INN, USAN
Synonym(s): 2-[(3-Aminopropyl)amino]ethanethiol dihydrogen phosphate, 8Cl. Ethiofos. Ethyol. Fosteamine. Gammaphos. APAETF. SAPEP. NSC 296961. WR 2721. YM 038310Ed

CAS Registry Number: 20537-88-6
Related CAS Registry Numbers(s): 63717-27-1

$H_2NCH_2CH_2CH_2NHCH_2CH_2SP(O)(OH)_2$

Molecular Formula: $C_5H_{15}N_2O_3PS$
Molecular Weight: 214.225
Accurate Mass: 214.0541
Percentage Composition: C 28.03%; H 7.06%; N 13.08%; O 22.41%; P 14.46%; S 14.97%
Use/Importance: Radioprotective and mucolytic agent. Protects mice against cisplatin-induced nephrotoxicity and myelosuppression
Development Status: Launched 1995 (Germany)
Melting Point: Mp 160-161°
Hazard & Toxicity: LD_{50} (mus, orl) 842 mg/kg. Exp. reprod. and teratogenic effects

Sigma: A5922

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