

## Amifostine, Cellular protectant

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Catalog	Unit
TBI2291-10MG	10 mg
TBI2291-50MG	50 mg

### Product Details

**Formal Name:** S-2(3-Aminopropylamino)-ethylphosphothioic acid

**Alternate Names:** WR-2721

**Molecular Formula:** C<sub>5</sub>H<sub>15</sub>N<sub>2</sub>O<sub>3</sub>PS

**Formula Weight:** 214.22

**CAS Number:** 20537-88-6

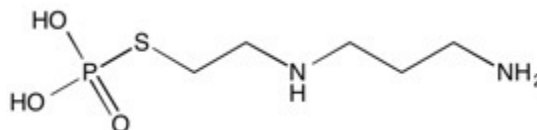
**Purity:** >98%

**Formulation:** Powder

**Solubility:** Soluble in Water.

**Storage:** Room temperature

**Stability:** ≥ 1 year.



### Applications

Cellular protectant

### Functions

Amifostine is a broad spectrum radio- and chemoprotective agent. Prevents chemotherapy-induced apoptosis, upregulates HIF-1 $\alpha$  and restores transcriptional activity in specific p53 mutants.

### Application Procedures

First dissolved in water, then diluted to aqueous buffer. Solutions in distilled water may be stored at -20°C for up to 3 months.

**For research use only.**