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# Absorbable Modified Polymer Hemostatic Powder

National Cancer Institute

## Source

National Cancer Institute. *Absorbable Modified Polymer Hemostatic Powder*. NCI Thesaurus. Code C127122.

A hemostatic powder composed of hydrophilic, absorbable modified polymers (AMPs) derived from plant starch, with potential anti-hemorrhagic activity. Upon local administration of the AMP hemostatic powder directly sprayed over the bleeding surface, this powder adheres to the bleeding area, and the AMPs are able to absorb fluid and therefore soak up blood at the bleeding site. This leads to the formation of a gelled matrix that seals the affected site, and allows platelets, red blood cells and clotting factors in the blood to concentrate at the wound. In turn, this promotes the coagulation cascade, helps to stop or control bleeding, and prevents further blood loss. The AMP particles are naturally degraded by human enzymes over time.