



Product Information

PVA/P(AA-AM) composite hydrogels

Cat. No.: X26-04-ZQ2694

Size: 100 mg; 250 mg; 500 mg; 1 g; 5 g

Synonym: PVA-PAA-PAM hybrid; PVA/P(AA-AM) blend gel; PVA/P(AA-AM) network

This product is for research use only and is not intended for diagnostic use.

Product Information

Description	Polyvinyl alcohol/poly(acrylic acid-co-acrylamide) (PVA/P(AA-AM)) composite hydrogels are high-strength hybrid networks. The composition involves PVA interpenetrated with a pH-sensitive copolymer. The structure is characterized by exceptional mechanical toughness and pH-responsive swelling, suitable for investigating energy dissipation in soft materials.
Source	Custom synthesis
Form	Solid
Purity	≥95%
Impurities	No visible impurities to the naked eye.
Identity	HPLC/MS/NMR
Stability	This product is stable for one year when stored at the recommended temperature in lyophilized powder.
Quality Level	Research grade
Applications	This product can be used for the study of high-toughness double-network physics, the development of industrial superabsorbents, and research into stimuli-responsive mechanics.
Storage	Store at -20°C.