

Product Information

PVA/n-HA composite hydrogels

Cat. No.: X26-04-ZQ2718

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

Synonym: PVA-nano HAp gel; PVA/n-HA biomimetic matrix; PVA/n-HA hybrid system

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

Product Information

Description	Polyvinyl alcohol/nano-hydroxyapatite (PVA/n-HA) composite hydrogels are mineralized synthetic networks. The composition involves n-HA nanoparticles dispersed in a PVA matrix to provide mechanical reinforcement and a mineralized environment. The structure is stable and opaque, used to investigate the physical properties of mineral-loaded soft materials in experimental material science.
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 mineralized hydrogel scaffolds, the development of industrial structural materials, and research into PVA-hydroxyapatite dynamics.
Storage	Store at -20°C.