

Product Information

Dendrimer-based hydrogels

Cat. No.: X26-04-ZQ2585

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

Synonym: Dendritic hydrogel; PAMAM-based gel; Dendrimer-linked polymer network

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

Product Information

Description	Dendrimer-based hydrogels are highly branched, precisely engineered polymer networks. The composition involves multi-valent dendrimers that are crosslinked to form a gel with a high density of functional groups. The structure is characterized by its well-defined architecture and its ability to host numerous molecular payloads through covalent or physical interactions.
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-density functionalization, the development of advanced molecular sensors, and research into dendritic polymer physics.
Storage	Store at -20°C.