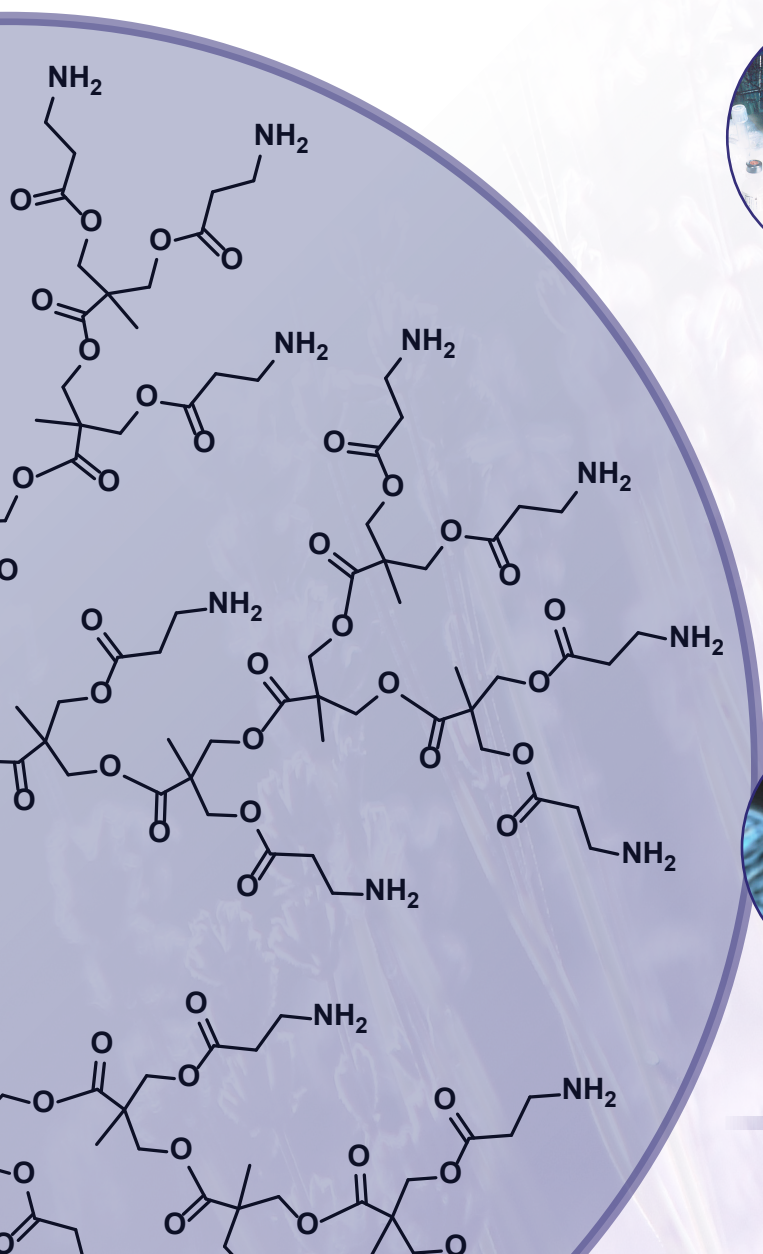


AMINEFUNCTIONAL Hyperbranched Polyesters

Biocompatible scaffolds with multiple amine groups

Cutting-edge performance, affordable pricing

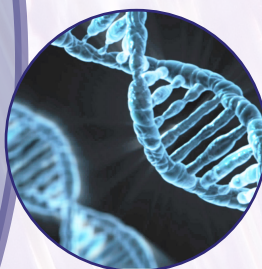
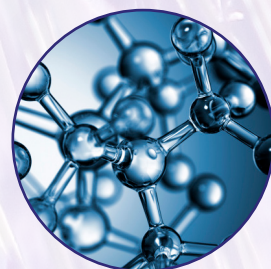


High loading capacity

Our amine functional HBPs offer large numbers of reactive primary amines for modification and conjugation

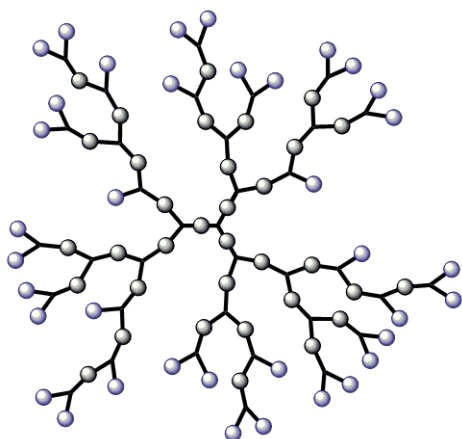
Biocompatible scaffold

Dendritic bis-MPA architectures have been shown to be non-toxic and biodegradable



Suitable for biological applications

Our amine functional hyperbranched polyesters are ideal candidates for conjugation of bio-active molecules

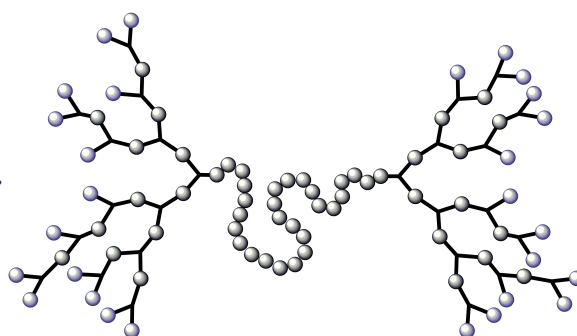


Amine functional Boltorn™

Our Boltorn™ Premium product line has been modified with reactive primary amine groups to give dendrimer-like highly functional hyperbranched structures.

Amine functional linear dendritics

Polymer Factory's linear-dendritic hyperbranched scaffolds provide a large extent of amine functional end groups, as well as PEG functionality at the core.



Scientific Publications

Biocompatibility of bis-MPA scaffolds: "Stability and biocompatibility of a library of polyester dendrimers in comparison to poly-amidoamine dendrimers" Anders Hult, Andreas Nyström, Michael Malkoch, Bengt Fadeel *et al*, *Biomaterials* 2012, 33, 1970-1981.

Amine modified bis-MPA dendrimers as detoxification agents: "Investigation of Lysine-Functionalized Dendrimers as Dichlovos Detoxification Agents" Scott M. Grayson *et al*, *Biomacromolecules* 2015, 16, 3434-3444.

Modification of amine functional dendritic polymers with guanidine for enhanced cell uptake of nanoparticles: "Enhanced cell uptake of superparamagnetic iron oxide nanoparticles functionalized with dendritic guanidines" Elizabeth R. Gillies *et al*, *Bioconjugate Chem.*, 2008, 19, 2375-2384.

Product and ordering information

AMINE FUNCTIONAL BOLTORN

Product name	Product number	Generation	Theoretical Mol. Wt.	Average Number of Primary Amine End Groups	Price (€)	
					1 g	5 g
Amine Functional Boltorn™ H20	PFH-010212	2	4,730 gmol ⁻¹	16	100	400
Amine Functional Boltorn™ H30	PFH-010312	3	9,600 gmol ⁻¹	32	105	420
Amine Functional Boltorn™ H40	PFH-010412	4	19,100 gmol ⁻¹	64	110	440

AMINE FUNCTIONAL LINEAR DENDRITIC HYPERBRANCHED PEG

Product name	Product number	Core	Generation	Theoretical Mol. Wt.	Average Number of Primary Amine End Groups	Price (€)	
						1 g	5 g
PFLDHB-G3-PEG10k-Amine	PFH-050312	Polyethylene glycol 10k	3	14,610 gmol ⁻¹	16	120	480
PFLDHB-G4-PEG10k-Amine	PFH-050412	Polyethylene glycol 10k	4	19,420 gmol ⁻¹	32	130	520
PFLDHB-G5-PEG10k-Amine	PFH-050512	Polyethylene glycol 10k	5	29,080 gmol ⁻¹	64	140	560



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About Polymer Factory

Founded in 2006 at the Royal Institute of Technology in Stockholm, Sweden, Polymer Factory is today a leading provider of advanced dendritic and polymeric materials, plus a contract research company. Polymer Factory holds the exclusive production, marketing and sales rights of several advanced materials. Its business strategy includes developing future ground-breaking dendritic and polymeric materials in close collaboration with clients in the pharmaceuticals and semiconductors sector.