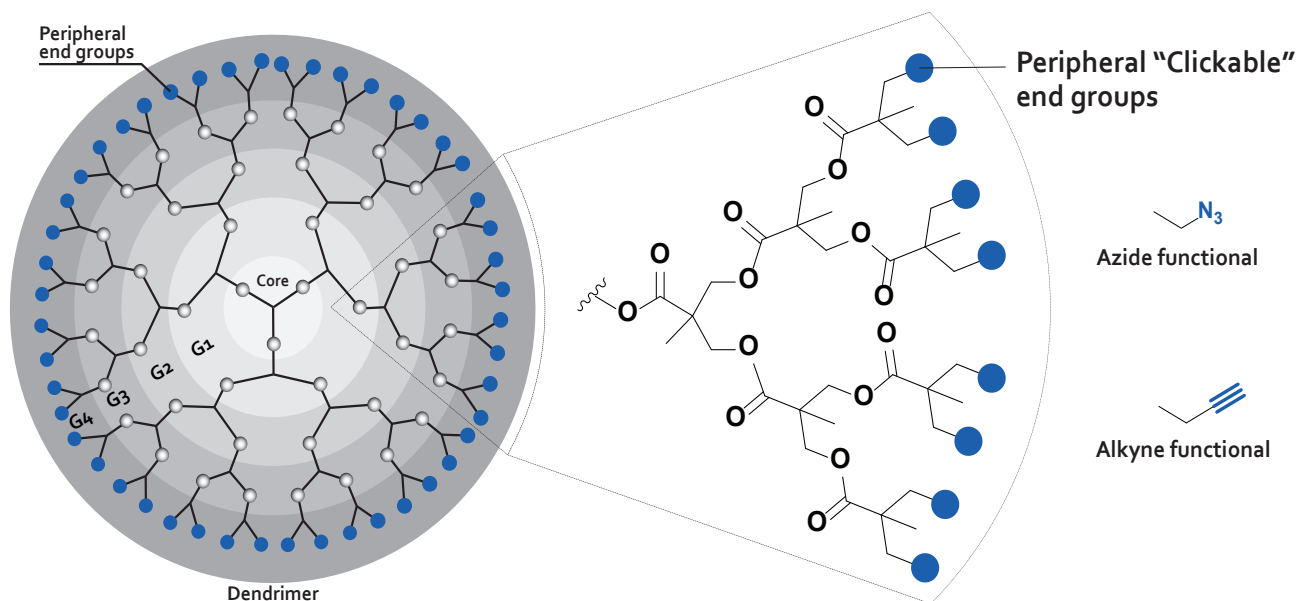


INTRODUCING POLYMER FACTORY'S

“CLICK”ABLE ACETYLENE & AZIDE DENDRIMERS



Why our Products?

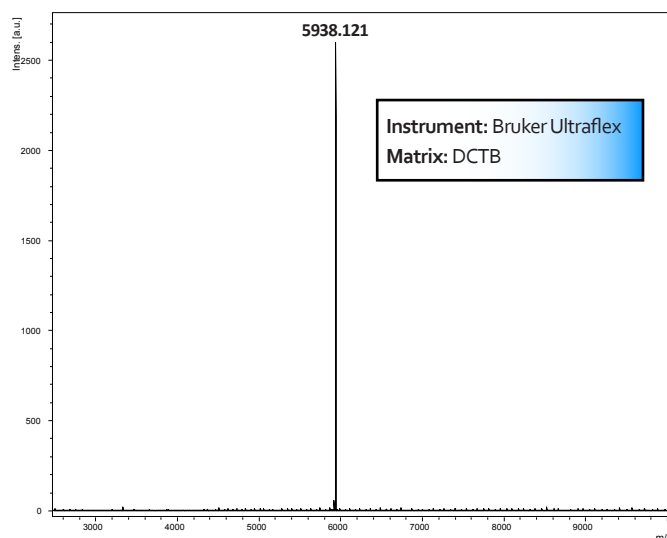
An assurance of Quality

All our Dendrimers are truly monodisperse and are assessed using NMR, MALDI-TOF & GPC to ensure overall high purity and structural perfection. Analytical documents such as COA and MSDS are delivered together with the purchased product(s).

Technical expertise based Service

Polymer Factory's team of Scientists are experts in dendrimer chemistry. With our in-depth know-how in dendritic polymers, we are your natural partner in developing world-class organic materials for the future.

MALDI: PFD-G3-TMP-Azide



Key Features:

- Monodisperse organic nanomaterials*
- Exact number of Peripheral Functionalities*
- Friendly to most powerful Click Reactions*
- Tolerant to other Functional Groups*
- Typically Biocompatible, Biodegradable & Non-Toxic*



We know Dendrimers, Dendrons and Dendrimer derivatives.
Give us a challenge.

Product & Ordering Information

Scientific publications in related fields:

Biological applications:

"Thiol-Ene and Thiol-Yne-Based Synthesis of Glycodendrimers as Nanomolar Inhibitors of Wheat Germ Agglutinin."

Mattia Ghirardello, Kim Öberg, Samuele Staderini, Olivier Renaudet, Nathalie Berthet, Pascal Dumy, Yvonne Hed, Alberto Marra, Michael Malkoch and Alessandro Dondoni, J. Polym. Sci., Part A: Polym. Chem.; 2014; 52 (17); 2422-2433.

Nanotechnology (Coatings):

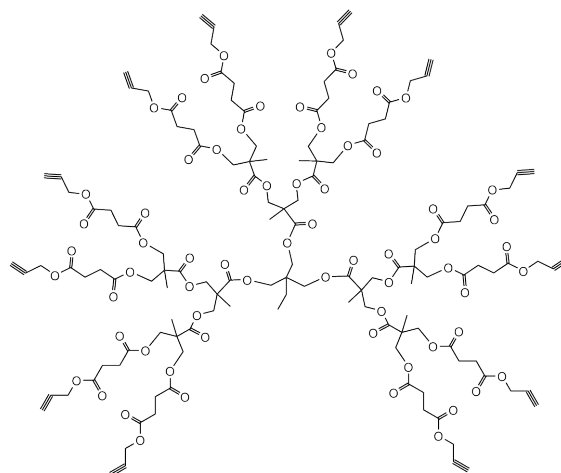
"Role of Architecture and Molecular Weight in the Formation of Tailor-Made Ultrathin Multilayers Using Dendritic Macromolecules and Click Chemistry."

Robert Vestberg, Michael Malkoch, Matthew Kade, Peng Wu, Valery V. Fokin, K. Barry Sharpless, Eric Drocnmuller, Craig J. Hawker. J. Polym. Sci., Part A: Polym. Chem.; 2007; 45(14); 2835-2846.

Dendrimer and click chemistry:

"Structurally diverse dendritic libraries; A highly efficient functionalization approach using Click chemistry."

Malkoch M, Schleicher K, Drocnmuller E, Hawker CJ, Russel TP, Wu P. and Fokin VV. Macromolecules, 2005, 38, 9, 3663-3678.



Molecular Structure: PFD-G2-TMP-Acetylene

Azide Dendrimers

These Dendrimers come with Trimethylol Propane Core & Azide Functional End Groups

Product	Product No.	Gen.	No. End Groups	MW	Prices (€)	
					250mg	1000mg
PFD-G1-TMP-Azide	PFD-010102	1	6	1,082.33	210	600
PFD-G2-TMP-Azide	PFD-010202	2	12	1,316.7	273	779
PFD-G3-TMP-Azide	PFD-010302	3	24	5,912.4	368	1052
PFD-G4-TMP-Azide	PFD-010402	4	48	11,054.81	534	1526
PFD-G5-TMP-Azide	PFD-010502	5	96	22,359.26	801	2288

Acetylene Dendrimers

These Dendrimers come with Trimethylol Propane Core & Acetylene Functional End Groups

Product	Product No.	Gen.	No. End Groups	MW	Prices (€)	
					250mg	1000mg
PFD-G1-TMP-Acetylene	PFD-010104	1	6	1,182.25	206	588.5
PFD-G2-TMP-Acetylene	PFD-010204	2	12	2,836.7	268	765
PFD-G3-TMP-Acetylene	PFD-010304	3	24	5,887.5	361	1033
PFD-G4-TMP-Acetylene	PFD-010404	4	48	11,989.2	524	1498
PFD-G5-TMP-Acetylene	PFD-010504	5	96	24,192.5	786	2246

Ordering Information

To order, simply send us an email to info@polymerfactory.com or order through our website by filling out the order form online.



Address:

Polymer Factory Sweden AB
Teknikringen 48
SE-114 28 Stockholm, Sweden

Tel (Office): +46 (0)8 22 11 875

Fax: +46 175 77 42 51
info@polymerfactory.com
www.polymerfactory.com

About Polymer Factory

Polymer Factory AB was Founded in 2005 at the Royal Institute of Technology in Stockholm, Sweden, and is today a leading provider of advanced Dendritic and polymeric materials.

Polymer Factory holds the exclusive production, and salesrights of several advanced materials. Its business strategy includes developing future solutions based on ground-breaking Dendritic materials and collaboration with clients in the BioPharma and Semiconductor sectors.