

Product Profile

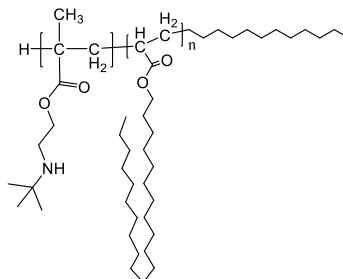
Identification

Product Name: Poly(docosylacrylate)-b-poly(tert.Butylaminoethyl methacrylate)

Synonym: Behenyl acrylate-2-(tert-butylamino)ethylmethacrylate

Product Lot Number: P44912-BHAtBuAEMA

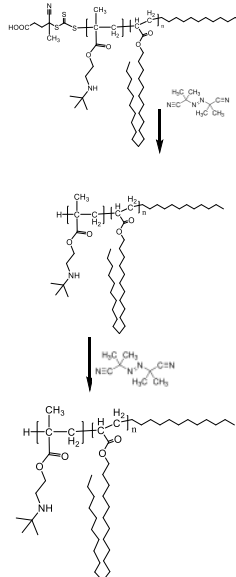
Product Chemical Architecture:



Composition:

Mn x 10 ³ BHA-tBuAEMA	Mw/Mn (PDI)
3.0-b-2.5	1.10
Dp of each block: A₈-B₁₀ from ¹ H NMR	

Method of Synthesis: By RAFT Synthesis

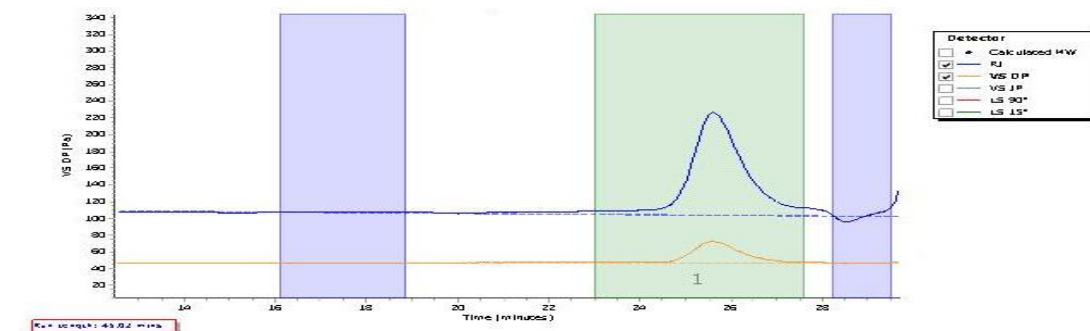


Solubility in different solvents

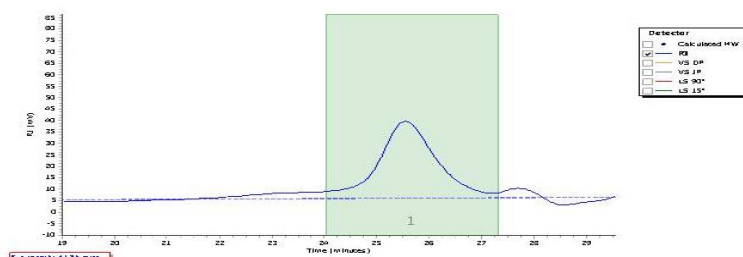
THF	√		
CHCl ₃	√	DMF	√
Toluene-Hot	√		

A. Gel Permeation Chromatography (GPC), SEC- Profile

Chromatogram Plot P44912-BHA-RAFT



Molecular Weight Averages							
Peak	Mp (g/mol)	Mn (g/mol)	Mw (g/mol)	Mz (g/mol)	Mz+1 (g/mol)	Mv (g/mol)	PD
Peak 1	3609	3291	3622	4072	4754	0	1.1



Molecular Weight Averages							
Peak	Mp (g/mol)	Mn (g/mol)	Mw (g/mol)	Mz (g/mol)	Mz+1 (g/mol)	Mv (g/mol)	PDI
Peak 1	5884	5389	5969	6605	7307	6387	1.108

B. NMR (HNMR) of polymer of BHA-RAFT

