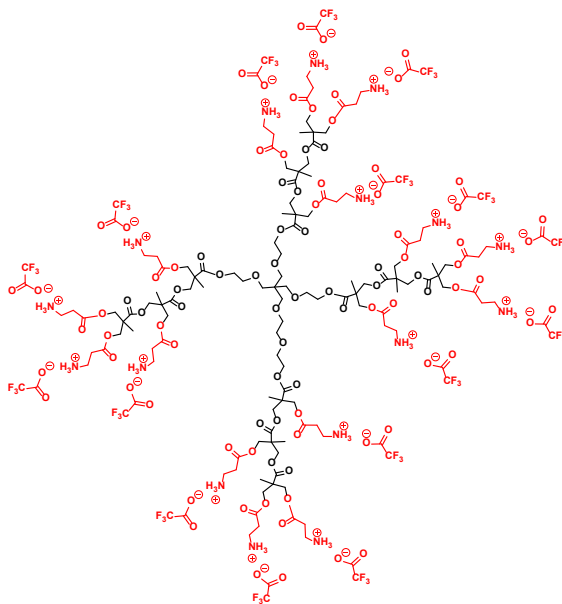




Certificate Of Analyses

| | |
|---|--|
| Product Name: | Amine Functional Boltorn® H20 |
| Batch Number: | PF1764 |
| Release Date: | 2017-11-17 |
| Theoretical MW: | 4711 g/mol |
| Aver. Molecular Formula: | $C_{123}H_{224}N_{16}O_{61} + 16$ TFA counter-ion |
| Aver. Number of NH_3^+: | 16 |
| PDI (Mw/Mn): | 1.45 (estimated from Boltorn starting material). |
| Purity: | May contain traces of moisture, ether and methanol |
| Appearance: | White powder |
| Solubility: | Variety of polar solvents, such as water, alcohols, DMF, DMSO. |
| Analysis: | 1H NMR, ^{13}C NMR |
| Recommended storage: | -18 °C. Use immediately upon dissolution. |

Amine Functional Boltorn H20



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