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(54) Title: CLICK CHEMISTRY ROUTE TO TRIAZOLE DENDRIMERS

(57) Abstract: The high efficiency and fidelity of click chemistry permits a large number of diverse dendrimers encompassing a wide variety of functionalities at the chain ends, repeat units, and/or core to be prepared. Almost quantitative yields were obtained during the synthesis. In some cases, filtration or solvent extraction was the only method required for purification. These features represent a significant advancement in dendrimer chemistry and demonstrate an evolving synergy between organic chemistry and functional materials.



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