

研究简报

## 以甘-谷二肽为构筑单元的扇形树状分子的合成与表征

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摘要  
关键词 [甘氨酸-谷氨酸](#) [树枝状分子](#) [多肽合成](#) [MALDI-TOF](#)

分类号

## SYNTHESIS AND CHARACTERIZATION OF PEPTIDE DENDRONS WITH GLY-GLU AS BUILDING BLOCKS

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**Abstract** The synthesis and characterization of a series of peptide dendrons with glycine(Gly) and glutamate(Glu) as building blocks were described. The dendrons were prepared with convergent method by protection, deprotection and DCC coupling reactions. With the characterization of elemental analysis,  $^1\text{H-NMR}$ ,  $^{13}\text{C-NMR}$ , FTIR, EI-MS and MALDI-TOF MS, the designed molecular structure was proved. It could be predicted that the obtained compounds will exhibit unique properties and potential applications in the fields of biology, medicine and so on. Further studies on the properties of these compounds are in progress.

**Key words** [Gly-Glu](#) [Peptide dendrons](#) [Peptide synthesis](#) [MALDI-TOF](#)

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