

基础研究和新技术

2-(4-取代苯基)咪唑并[5,6-f]邻菲咯啉化合物的ESI-MSⁿ研究

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摘要

关键词

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Study of Some 2-(4-arylphenyl)imidazo [4,5-f]-[1,10]phenanthroline Compounds Using ESI-MSⁿ

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Abstract The mass spectrometric behavior of six 2-(4-arylphenyl)imidazo[4,5-f]-[1,10]phenanthroline compounds were investigated by the electrospray ionization multiple stage mass spectrometry. The fragmentation pathway of the compounds were depended on the group of 4-arylphenyl. When the 4-substituent group was an activating one, the fragmentation usually took place in the phenyl. While the 4-substituent group was deactivating, the fragmentation took place in the imidazole ring.

Key words [ESI-MSⁿ](#), [2-\(4-arylphenyl\)imidazo\[4,5-f\]-\[1,10\]phenanthroline](#) [compounds](#), [fragmentation](#)

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