

Multisignaling detection of cyanide anions based on an iridium(III) complex: remarkable enhancement of sensitivity by coordination effect

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Support Information.

1.- NOESY spectra of 1 (400MHz, CDCl₃).

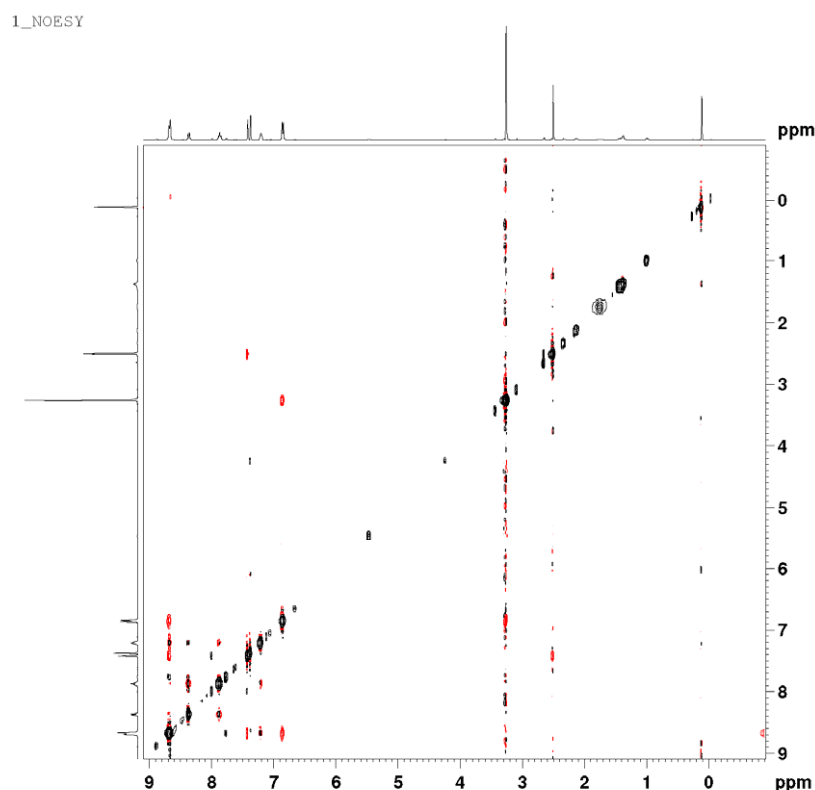


Figure S1. NOESY spectra of 1 (400MHz, CDCl₃).

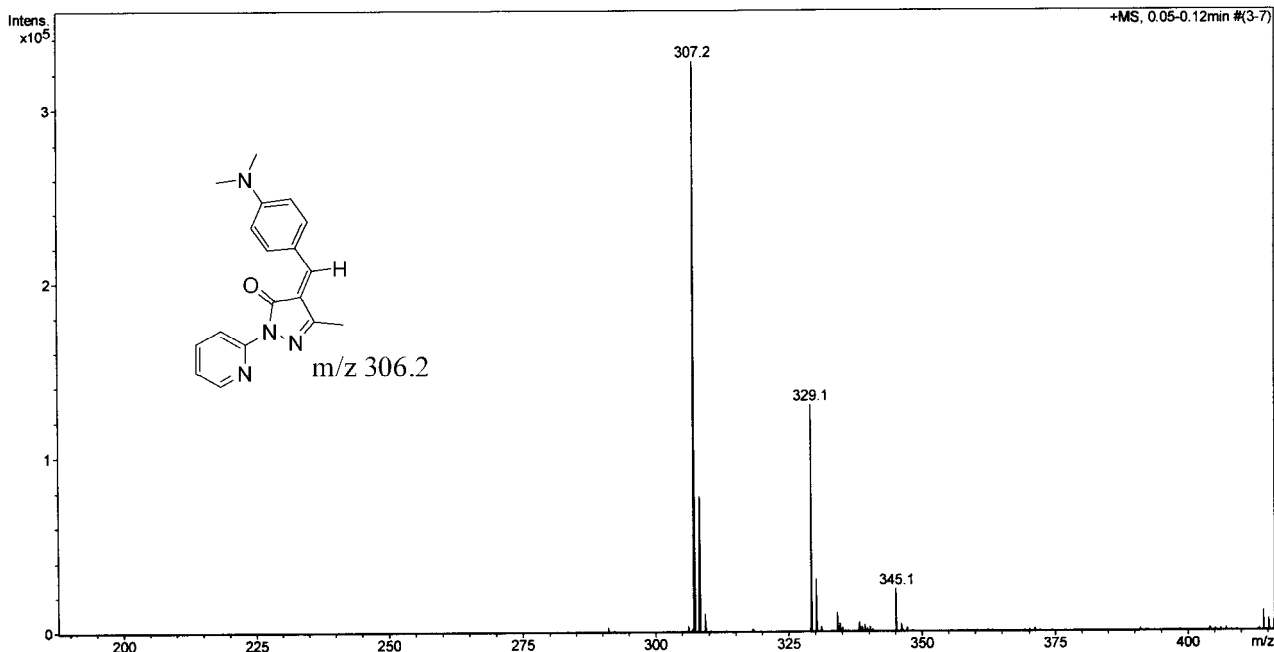
2.-ESI-MS changes produced via the addition of cyanide anion in mixture of CDCl₃ and CH₃CN

Peking University Mass Spectrometry Analysis Report

Analysis Info

Analysis Name 90167_Pos.d
Sample 4
Comment

Acquisition Date 2/18/2009 11:51:01 AM
Instrument Bruker micrOTOF-Q
Operator Peking University

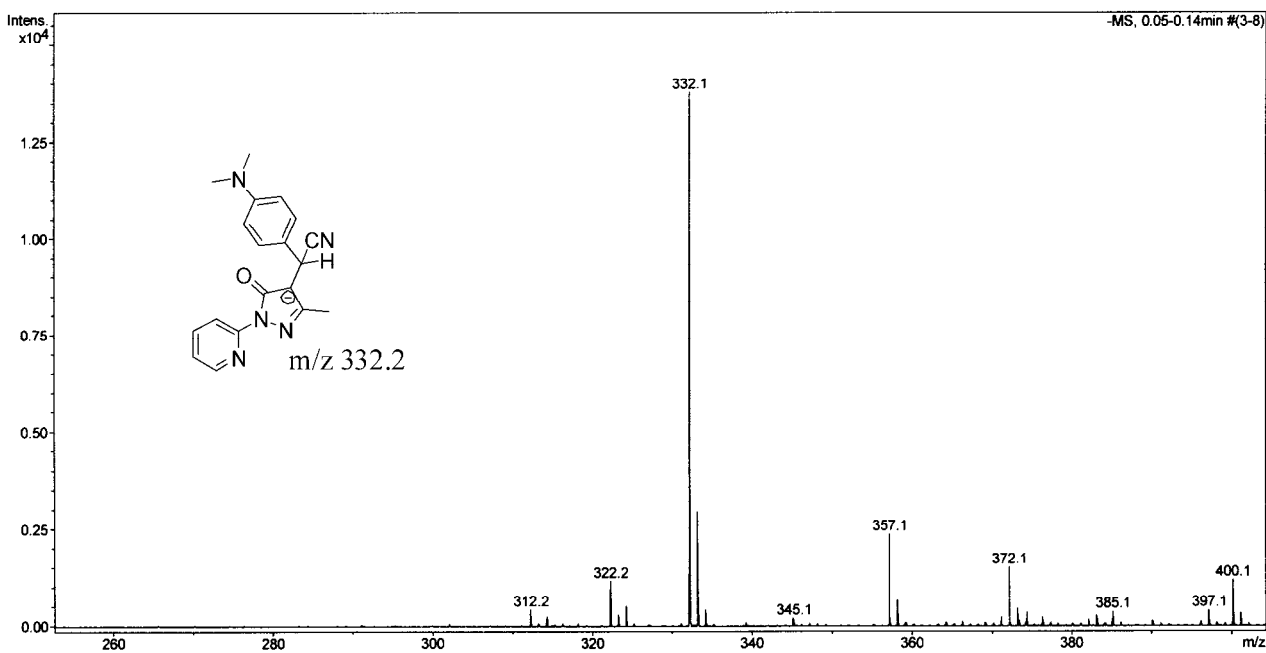


Peking University Mass Spectrometry Analysis Report

Analysis Info

Analysis Name 90169_Neg.d
Sample 2
Comment

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Operator Peking University

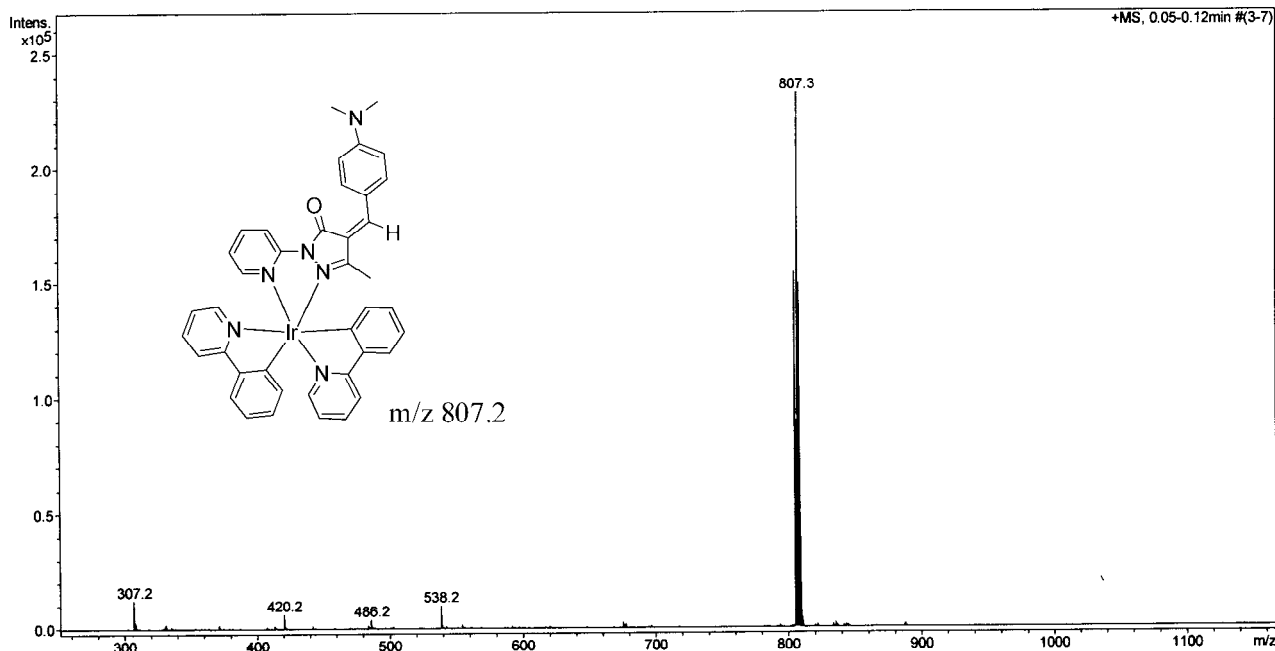


Peking University Mass Spectrometry Analysis Report

Analysis Info

Analysis Name 90168_Pos.d
Sample 3
Comment

Acquisition Date 2/18/2009 11:53:05 AM
Instrument Bruker micrOTOF-Q
Operator Peking University



Bruker Compass DataAnalysis 4.0

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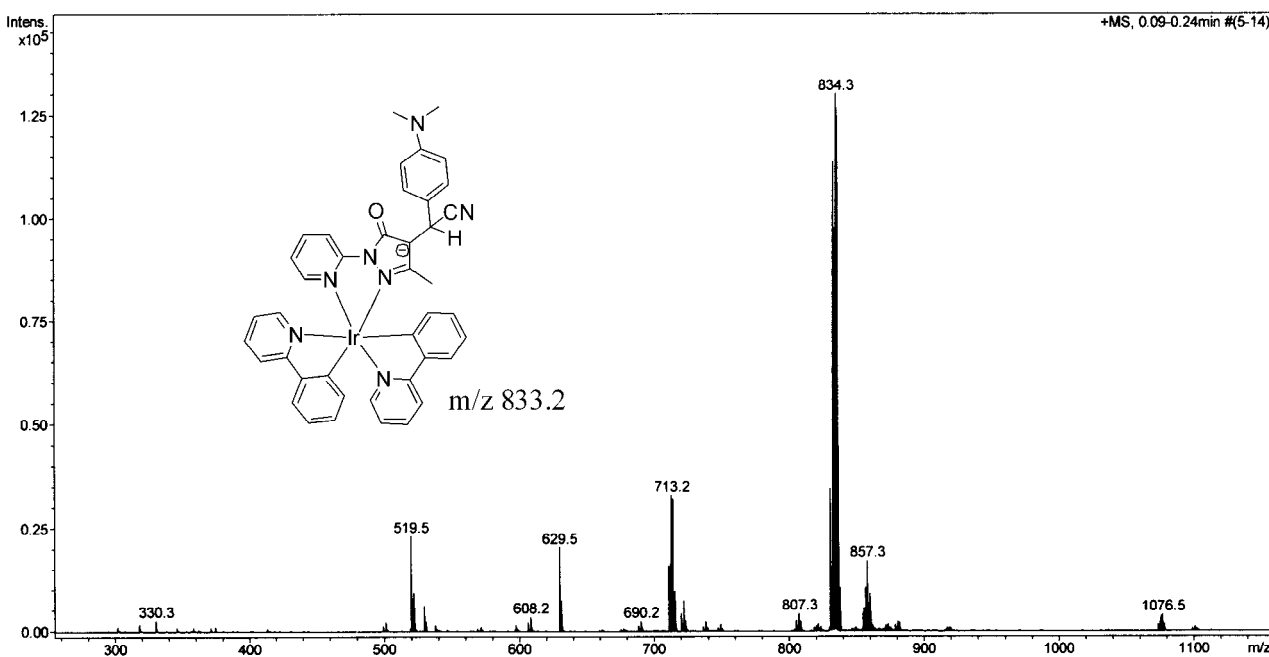
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Peking University Mass Spectrometry Analysis Report

Analysis Info

Analysis Name 90170_Pos.d
Sample 1
Comment

Acquisition Date 2/18/2009 11:55:36 AM
Instrument Bruker micrOTOF-Q
Operator Peking University



Bruker Compass DataAnalysis 4.0

printed: 2/18/2009 5:35:45 AM

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Figure S2. ESI-MS changes of **1** and **2** produced via the addition of cyanide anion in the mixture of

3.- UV-Vis spectral changes of the probe 1 and 2 seen upon the addition of various anions

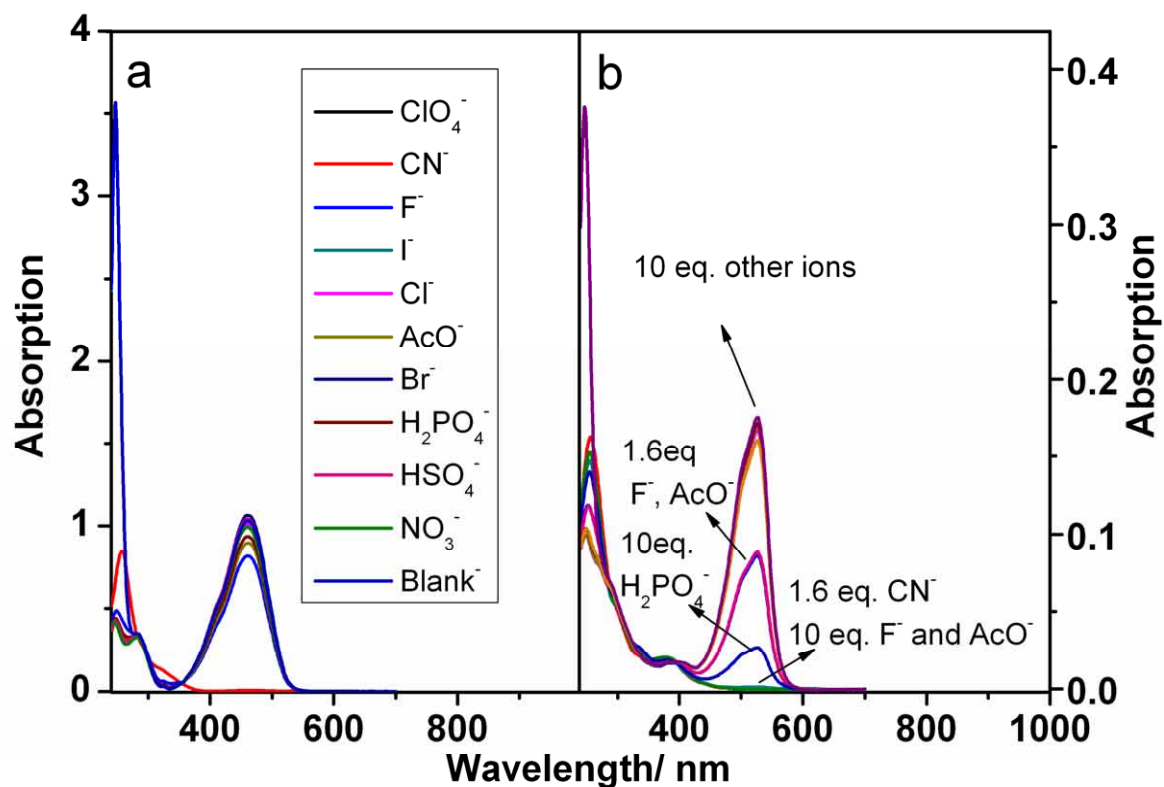


Figure S3. a. UV-Vis spectral change of the probe **1** seen upon the addition of 12 equiv. of various anions (top, 20 μM) and b. **2** (bottom, 2.0 μM) in CH₃CN.