Supporting Information

Stereoselective Synthesis of O-Tosyl Azabicyclic Derivatives via Aza Prins

Reaction of Endocyclic N-Acyliminium Ions: Application to the Total

Synthesis of (±)-epi-Indolizidine 167B and 209D

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HRMS Spectra

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S1
HRMS of compound 6a

HRMS of compound 6b
HRMS of compound 6c

HRMS of compound 6d

S3
HRMS of compound 6e

HRMS of compound 6g

S4
HRMS of compound 6h

![Graph of compound 6h]

HRMS of compound 6i

![Graph of compound 6i]

S5
### HRMS of compound 6j

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<th>Inj Vol</th>
<th>Data Filename</th>
<th>Ionization Method</th>
<th>Sample/Type</th>
<th>Instrument Name</th>
<th>Instrument 1</th>
<th>User Name</th>
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<th>Acquired Time</th>
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<td>HPLC</td>
<td>LC-MS</td>
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**Molecular Structure**

![HRMS Chart for 6j](chart6j)

- M/z: 262.1014
- *434.1189

### HRMS of compound 6k

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**Molecular Structure**

![HRMS Chart for 6k](chart6k)

- M/z: 186.0917
- *358.1109

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**S6**
HRMS of compound 6l

HRMS of compound 6m
HRMS of compound 6n

HRMS of compound 6o
HRMS of compound 6d'
### HRMS of compound 9q

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![HRMS of compound 9q](image1)

### HRMS of compound 5p

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![HRMS of compound 5p](image2)

S10
HRMS of compound 6q

HRMS of compound 10p

S12
HRMS of compound 10q

HRMS of compound epi-3p

S13
HRMS of compound *epi-3q*

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HRMS of compound **11**

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S14
HRMS of compound 12

S15