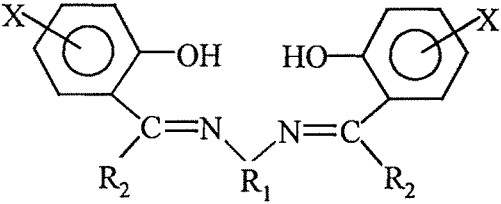


## **LIST OF ABBREVIATIONS**

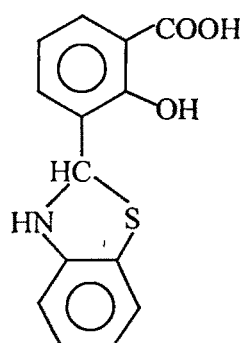
# LIST OF ABBREVIATIONS

The following abbreviations are used as shown below except where otherwise stated in the body of the thesis.

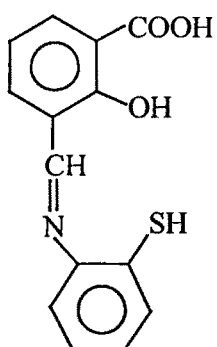
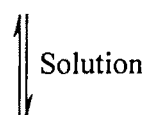
<i>Structural formulae</i>	<i>Abbreviations</i>
 <p style="text-align: center;">(I)</p>	<p>I (a) : H<sub>2</sub>salen, C<sub>16</sub>H<sub>16</sub>O<sub>2</sub>N<sub>2</sub>; where, X=H; R<sub>2</sub>=H and R<sub>1</sub>=(CH<sub>2</sub>)<sub>2</sub>-</p> <p>I (b) : H<sub>2</sub>saltn, C<sub>17</sub>H<sub>18</sub>O<sub>2</sub>N<sub>2</sub>; where, X=H, R<sub>2</sub>=H and R<sub>1</sub>=(CH<sub>2</sub>)<sub>3</sub>-</p> <p>I (c) : H<sub>2</sub>salpnl, C<sub>17</sub>H<sub>18</sub>O<sub>3</sub>N<sub>2</sub> where, X=H, R<sub>2</sub>=H and R<sub>1</sub>=-CH<sub>2</sub>-CH(OH)-CH<sub>2</sub>-</p> <p>I (d) : H<sub>2</sub>ohacpnl, C<sub>19</sub>H<sub>22</sub>N<sub>2</sub>O<sub>3</sub> where, X=H, R<sub>2</sub>=Me and R<sub>1</sub>=-CH<sub>2</sub>-CH(OH)-CH<sub>2</sub>-</p> <p>I (e) : H<sub>2</sub>salopd, C<sub>20</sub>H<sub>16</sub>O<sub>2</sub>N<sub>2</sub>; where, X=H=R<sub>2</sub> and R<sub>1</sub>=o-C<sub>6</sub>H<sub>4</sub>-</p> <p>I (f) : H<sub>4</sub>fsaen, C<sub>18</sub>H<sub>16</sub>O<sub>6</sub>N<sub>2</sub>; where, X=3-COOH; R<sub>2</sub>=H and R<sub>1</sub>=(CH<sub>2</sub>)<sub>2</sub>-</p> <p>I (g) : H<sub>4</sub>fsatn, C<sub>19</sub>H<sub>18</sub>O<sub>6</sub>N<sub>2</sub>; where, X=3-COOH; R<sub>2</sub>=H and R<sub>1</sub>=-CH<sub>2</sub>-CH<sub>2</sub>-CH<sub>2</sub>-</p> <p>I (h) : H<sub>4</sub>fsampn, C<sub>20</sub>H<sub>20</sub>O<sub>6</sub>N<sub>2</sub>; where, X=3-COOH; R<sub>2</sub>=H and R<sub>1</sub>=-CH<sub>2</sub>-CH(CH<sub>3</sub>)-CH<sub>2</sub>-</p> <p>I (i) : H<sub>4</sub>fsapnl, C<sub>19</sub>H<sub>18</sub>O<sub>7</sub>N<sub>2</sub> where, X=3-COOH; R<sub>2</sub>=H and R<sub>1</sub>=-CH<sub>2</sub>CH(OH)CH<sub>2</sub>-</p> <p>I (j) : H<sub>4</sub>fsaopd, C<sub>22</sub>H<sub>16</sub>O<sub>6</sub>N<sub>2</sub>; where, X=3-COOH; R<sub>2</sub>=H and R<sub>1</sub>=o-C<sub>6</sub>H<sub>4</sub>-</p> <p>I (k) : H<sub>4</sub>fsadpen; C<sub>30</sub>H<sub>24</sub>O<sub>6</sub>N<sub>2</sub>, where, X=3-COOH; R<sub>2</sub>=H and R<sub>1</sub>=(Ph)<sub>2</sub>C-CH<sub>2</sub>-</p> <p>I (l) : H<sub>4</sub>fsadien, C<sub>20</sub>H<sub>21</sub>O<sub>6</sub>N<sub>3</sub>; where, X=3-COOH, R<sub>2</sub>=H and R<sub>1</sub>=-CH<sub>2</sub>CH<sub>2</sub>NHCH<sub>2</sub>CH<sub>2</sub>-</p> <p>I (m) : H<sub>4</sub>fsatrien, C<sub>22</sub>H<sub>26</sub>O<sub>6</sub>N<sub>4</sub>; where, X=3-COOH; R<sub>2</sub>=H and R<sub>1</sub>=(CH<sub>2</sub>)<sub>2</sub>NH(CH<sub>2</sub>)<sub>2</sub>-NH(CH<sub>2</sub>)<sub>2</sub>-</p> <p>I (n) : H<sub>4</sub>fsaappp, C<sub>28</sub>H<sub>29</sub>N<sub>2</sub>PO<sub>6</sub>; where, X=3-COOH, R<sub>2</sub>=H and R<sub>1</sub>=(CH<sub>2</sub>)<sub>3</sub>-P(C<sub>6</sub>H<sub>5</sub>)-(CH<sub>2</sub>)<sub>3</sub>-</p>

*Structural Formulae*

*Abbreviations*

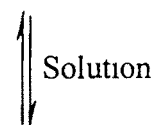


II (a)

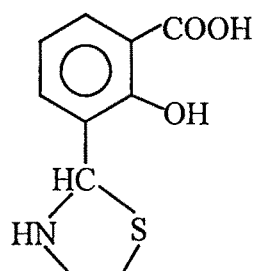


II (b)

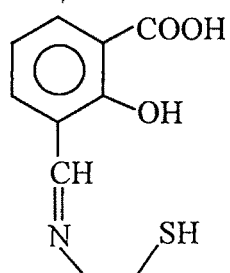
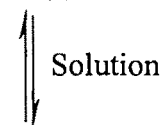
II (a): H<sub>2</sub>chpbzn, C<sub>14</sub>H<sub>11</sub>NSO<sub>3</sub>



II (b) H<sub>3</sub>mpcsalim; C<sub>14</sub>H<sub>11</sub>NSO<sub>3</sub>

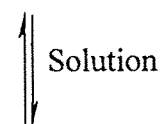


III(a)



III(b)

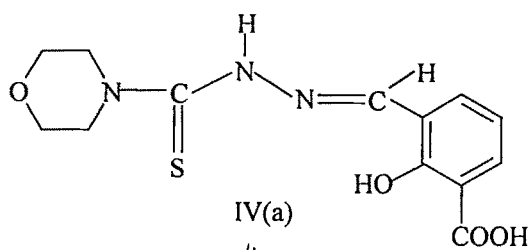
III (a) : H<sub>2</sub>chptz, C<sub>10</sub>H<sub>11</sub>NSO<sub>3</sub>



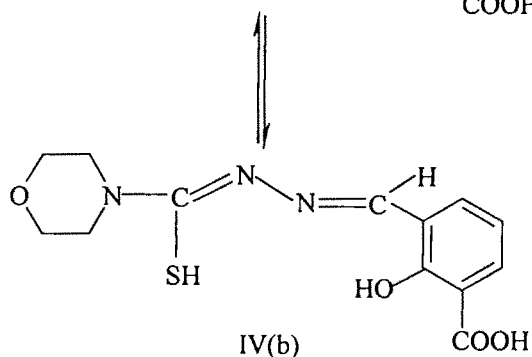
III (b) H<sub>3</sub>mcsalim, C<sub>10</sub>H<sub>11</sub>NSO<sub>3</sub>

*Structural Formulae*

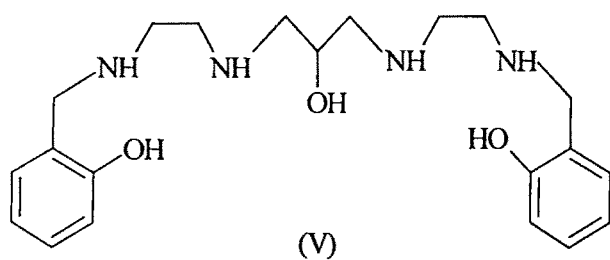
*Abbreviations*



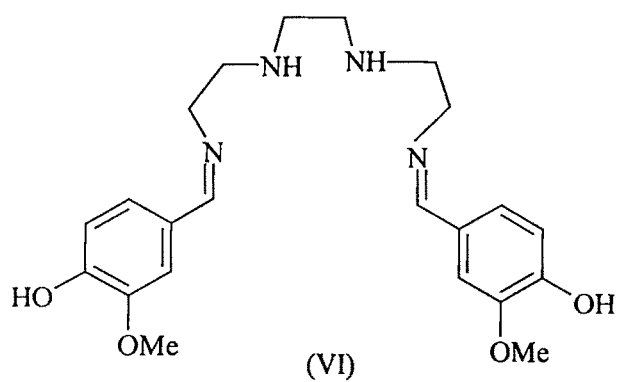
IV (a) : H<sub>2</sub>chbmth ; C<sub>13</sub>H<sub>15</sub>N<sub>3</sub>SO<sub>4</sub>



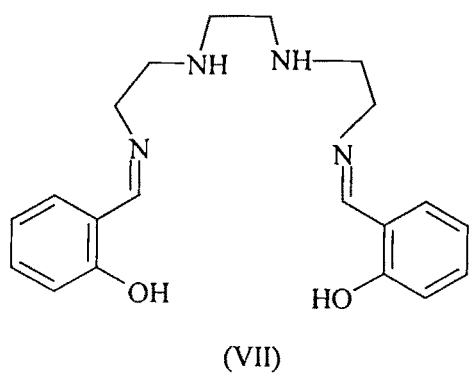
IV (b) · H<sub>3</sub>chbmthol, C<sub>13</sub>H<sub>15</sub>N<sub>3</sub>SO<sub>4</sub>



H<sub>2</sub>hbaepol, C<sub>21</sub>H<sub>31</sub>N<sub>4</sub>O<sub>3</sub>



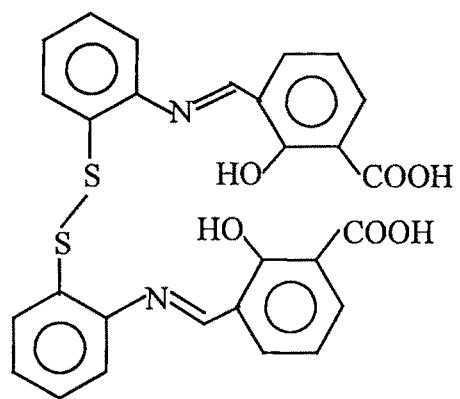
H<sub>4</sub>vantrien, C<sub>22</sub>H<sub>30</sub>N<sub>4</sub>O<sub>4</sub>



H<sub>4</sub>saltrien, C<sub>19</sub>H<sub>26</sub>N<sub>4</sub>O<sub>2</sub>

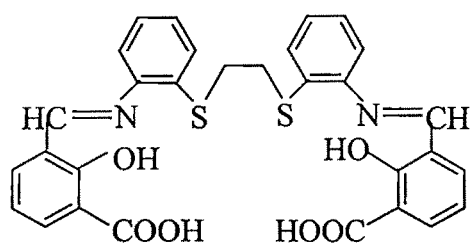
*Structural Formulae*

*Abbreviations*



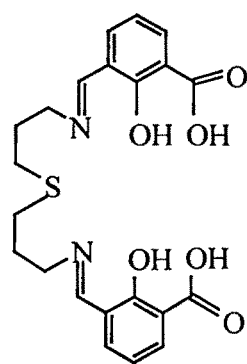
(VIII)

H<sub>4</sub>saapds, C<sub>28</sub>H<sub>22</sub>N<sub>2</sub>S<sub>2</sub>O<sub>6</sub>



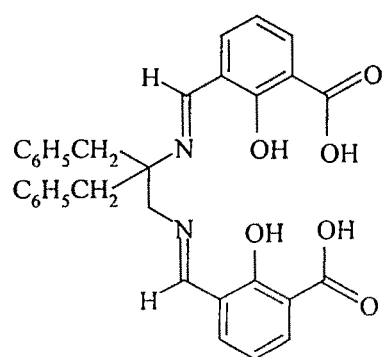
(IX)

H<sub>4</sub>dsalpte, C<sub>30</sub>H<sub>24</sub>N<sub>2</sub>O<sub>6</sub>S<sub>2</sub>



(X)

H<sub>4</sub>fsadmtp, C<sub>22</sub>H<sub>24</sub>N<sub>2</sub>SO<sub>6</sub>

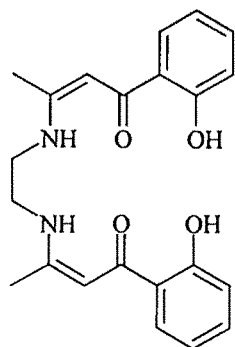


(XI)

H<sub>4</sub>fsadb, C<sub>32</sub>H<sub>28</sub>N<sub>2</sub>O<sub>6</sub>

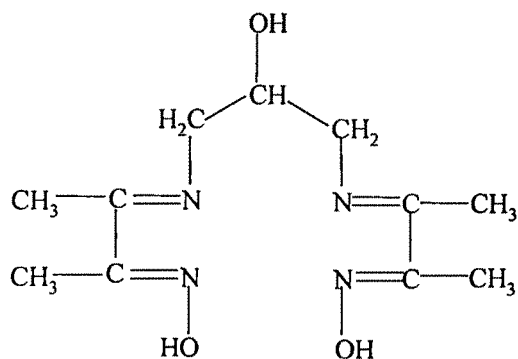
*Structural Formulae*

*Abbreviations*



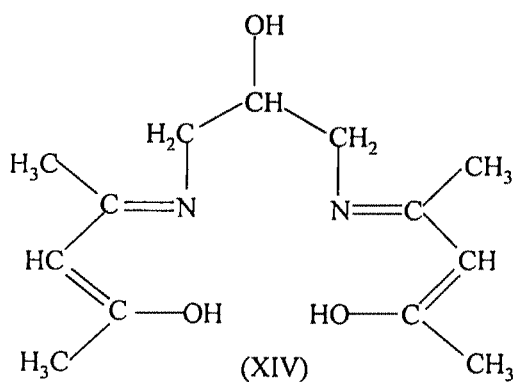
(XII)

H<sub>4</sub>aapen, C<sub>22</sub>H<sub>24</sub>N<sub>2</sub>O<sub>4</sub>



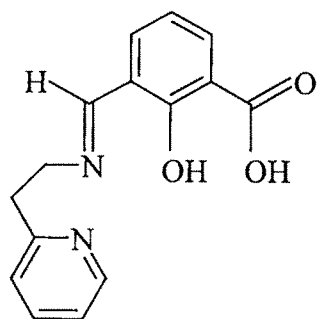
(XIII)

H<sub>2</sub>dampnol, C<sub>11</sub>H<sub>20</sub>N<sub>4</sub>O<sub>3</sub>



(XIV)

H<sub>2</sub>acacpnol, C<sub>13</sub>H<sub>22</sub>N<sub>2</sub>O<sub>3</sub>

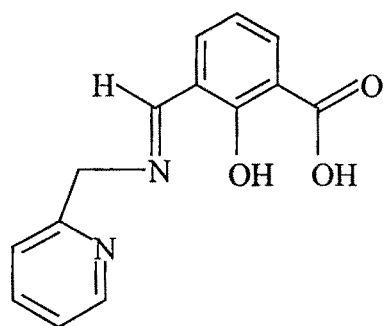


(XV)

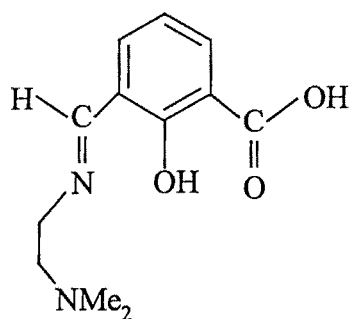
H<sub>2</sub>fsapea, C<sub>15</sub>H<sub>14</sub>N<sub>2</sub>O<sub>3</sub>

## Structural Formulae

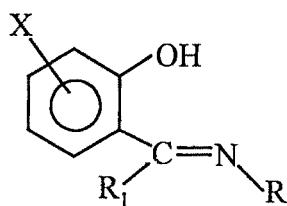
## Abbreviations



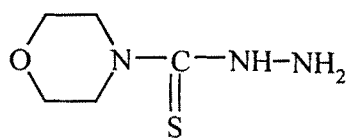
(XVI)

H<sub>2</sub>fsapma, C<sub>14</sub>H<sub>12</sub>N<sub>2</sub>O<sub>3</sub>

(XVII)

H<sub>2</sub>fsadmen, C<sub>12</sub>H<sub>16</sub>N<sub>2</sub>O<sub>3</sub>

(XVIII)

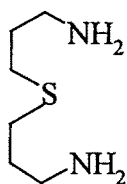
XVIII (a): H<sub>2</sub>fsaan, C<sub>14</sub>H<sub>11</sub>NO<sub>3</sub>, where,  
X=3-COOH; R<sub>1</sub>=H and R= -C<sub>6</sub>H<sub>5</sub>XVIII (b): H<sub>3</sub>fsaana, C<sub>15</sub>H<sub>11</sub>NO<sub>5</sub> where,  
X=3 - COOH; R<sub>1</sub>=H and  
R= o-C<sub>6</sub>H<sub>4</sub>COOHXVIII (c): H<sub>2</sub>fsasam, C<sub>14</sub>H<sub>12</sub>N<sub>2</sub>SO<sub>5</sub>, where,  
X=3 - COOH, R<sub>1</sub>=H and  
R=p-C<sub>6</sub>H<sub>4</sub>SO<sub>2</sub>NH<sub>2</sub>XVIII (d): H<sub>3</sub>fsagly, C<sub>10</sub>H<sub>9</sub>NO<sub>5</sub> where,  
X=3-COOH, R<sub>1</sub>=H and  
R= -CH<sub>2</sub>COOH

(XIX)

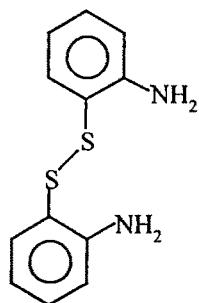
Hmth, C<sub>5</sub>H<sub>11</sub>N<sub>3</sub>SO

## Structural Formulae

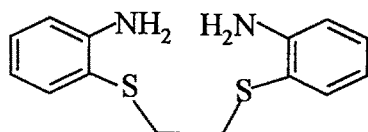
## Abbreviations



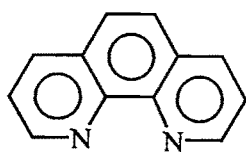
(XX)

dntp, C<sub>6</sub>H<sub>16</sub>SN<sub>2</sub>

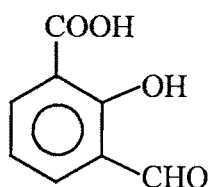
(XXI)

apds, C<sub>12</sub>H<sub>12</sub>N<sub>2</sub>S<sub>2</sub>

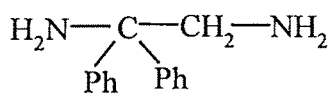
(XXII)

dapte, C<sub>14</sub>H<sub>16</sub>N<sub>2</sub>S<sub>2</sub>

(XXIII)

o-Phen, C<sub>14</sub>H<sub>10</sub>

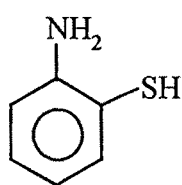
(XXIV)

H<sub>2</sub>fsa, C<sub>8</sub>H<sub>6</sub>O<sub>4</sub>

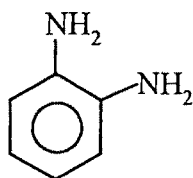
(XXV)

dpen, C<sub>14</sub>H<sub>16</sub>N

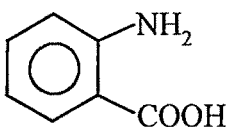


*Structural Formulae**Abbreviations*

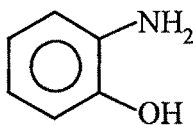
(XXVI)

Hoatp, C<sub>6</sub>H<sub>7</sub>NS

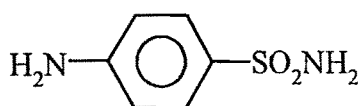
(XXVII)

opd, C<sub>6</sub>H<sub>8</sub>N<sub>2</sub>

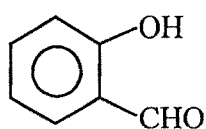
(XXVIII)

Haa, C<sub>7</sub>H<sub>7</sub>NO<sub>2</sub>

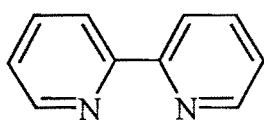
(XXIX)

Hoap, C<sub>6</sub>H<sub>7</sub>NO

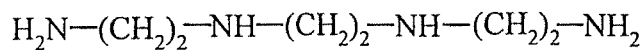
(XXX)

sam, C<sub>6</sub>H<sub>8</sub>N<sub>2</sub>SO<sub>2</sub>

(XXXI)

Hsal, C<sub>7</sub>H<sub>6</sub>O<sub>2</sub>

(XXXII)

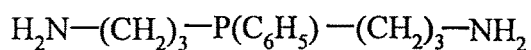
bpy, C<sub>10</sub>H<sub>8</sub>N<sub>2</sub>

(XXXIII)

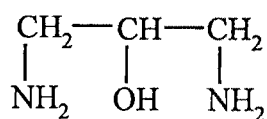
trien, C<sub>6</sub>H<sub>18</sub>N<sub>4</sub>

(XXXIV)

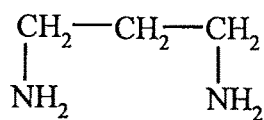
dien, C<sub>4</sub>H<sub>13</sub>N<sub>3</sub>

*Structural Formulae**Abbreviations*

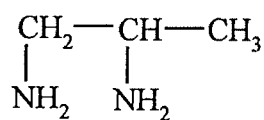
(XXXV)

appp, C<sub>12</sub>H<sub>21</sub>N<sub>2</sub>P

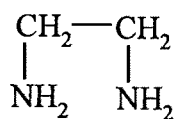
(XXXVI)

pnol, C<sub>3</sub>H<sub>10</sub>ON<sub>2</sub>

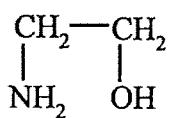
(XXXVII)

tn, C<sub>3</sub>H<sub>10</sub>N<sub>2</sub>

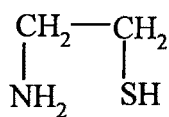
(XXXVIII)

pn, C<sub>3</sub>H<sub>10</sub>N<sub>2</sub>

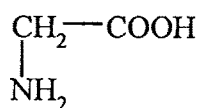
(XXXIX)

en, C<sub>2</sub>H<sub>8</sub>N<sub>2</sub>

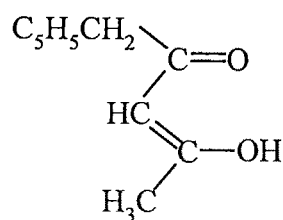
(XL)

aeol, C<sub>2</sub>H<sub>7</sub>NO

(XLI)

aethol, C<sub>2</sub>H<sub>7</sub>NS

(XLII)

Hgly, C<sub>2</sub>H<sub>5</sub>NO<sub>2</sub>

(XLIII)

Hbzac, C<sub>11</sub>H<sub>12</sub>O<sub>2</sub>

<i>Structural Formulae</i>	<i>Abbreviations</i>
 <p style="text-align: center;">(XLIV)</p>	Hacac, C <sub>5</sub> H <sub>8</sub> O <sub>2</sub>
 <p style="text-align: center;">(XLV)</p>	an, C <sub>6</sub> H <sub>7</sub> N
 <p style="text-align: center;">(XLVI)</p>	Py, C <sub>5</sub> H <sub>5</sub> N
 <p style="text-align: center;">(XLVII)</p>	thf, C <sub>4</sub> H <sub>8</sub> O
(CH <sub>3</sub> ) <sub>2</sub> NCHO (XLVIII)	DMF, C <sub>2</sub> H <sub>6</sub> NO
(CH <sub>3</sub> ) <sub>2</sub> SO (XLIX)	DMSO, C <sub>2</sub> H <sub>6</sub> SO
 <p style="text-align: center;">(L)</p>	π-Cp, C <sub>5</sub> H <sub>5</sub>
CH <sub>3</sub> COO <sup>-</sup> (LI)	OAc, C <sub>2</sub> H <sub>3</sub> O <sub>2</sub>
C <sub>6</sub> H <sub>5</sub> - (LII)	Ph
CH <sub>3</sub> (LIII)	Me

