**FIGURE 1**

Treatment Time (h)	Saline	2'-CH ₃ -MPTP	DBZIM/2'-CH ₃ -MPTP
0	Pre-Treatment Imaging	Pre-Treatment Imaging	Pre-Treatment Imaging
24	Saline	Saline	DBZIM (1 × 25 mg/kg)
48	Saline	2'-CH ₃ -MPTP (4 × 15 mg/kg, once every 2 h)	
72	Saline	Saline	DBZIM (1 × 25 mg/kg)
96	Post-Treatment Imaging	Post-Treatment Imaging	Post-Treatment Imaging

FIGURE 2

2/15

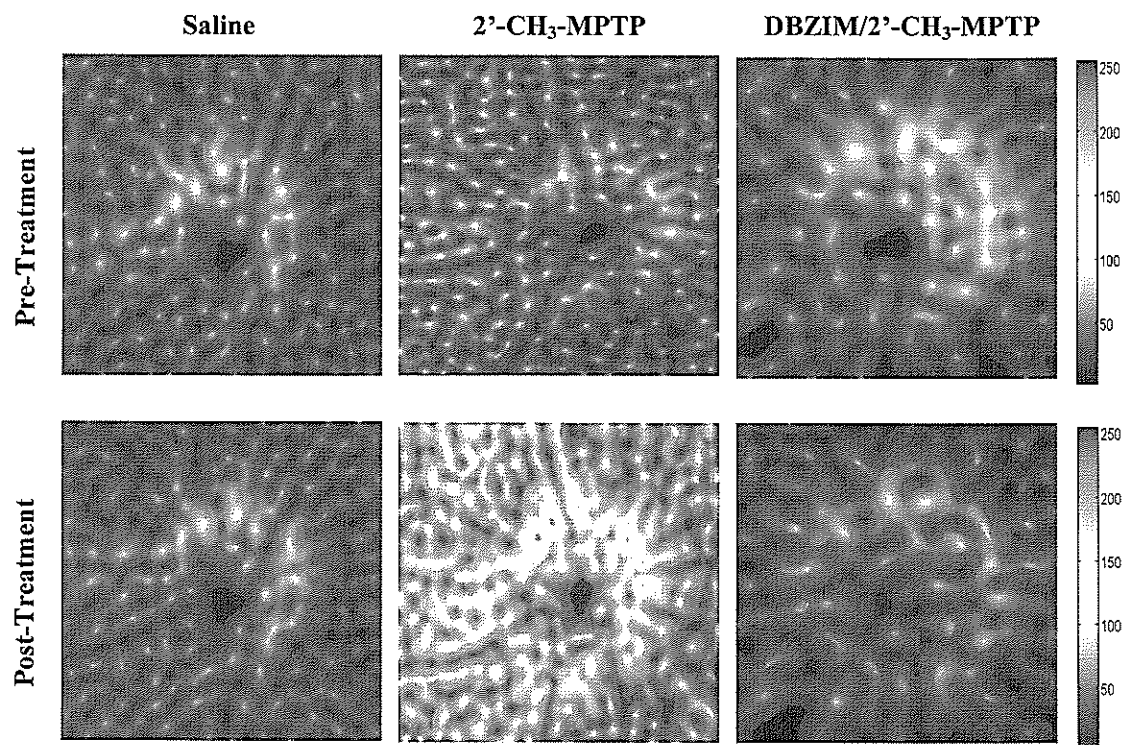


FIGURE 3

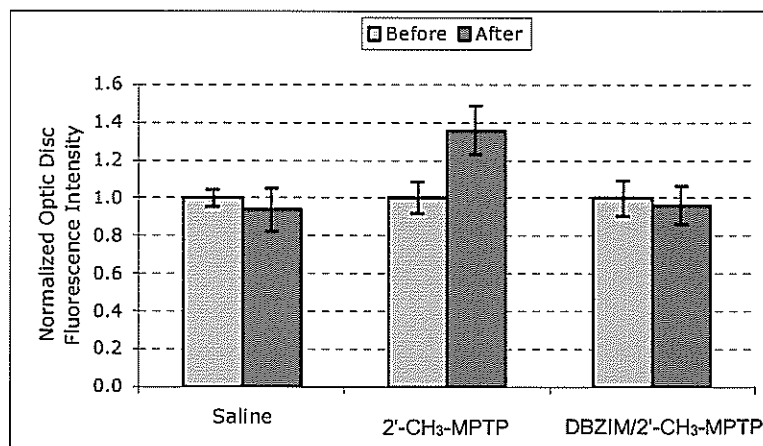


FIGURE 4

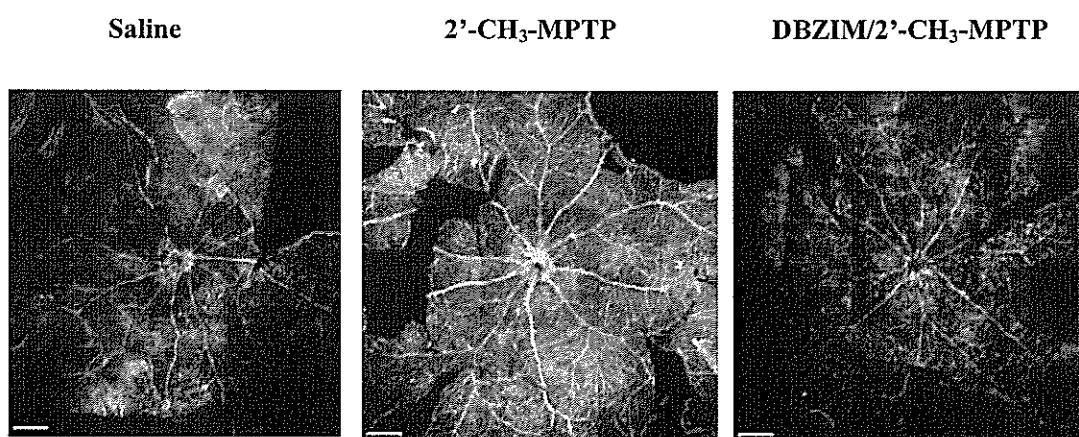


FIGURE 5

4/15

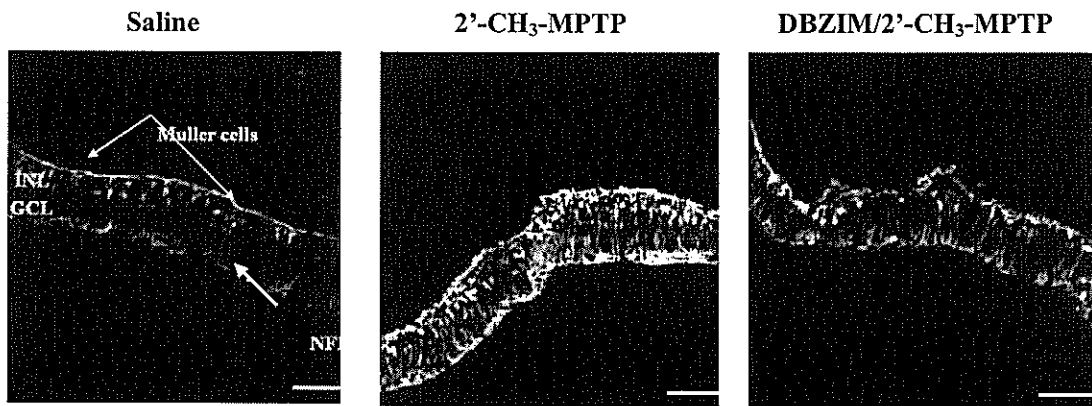


FIGURE 6

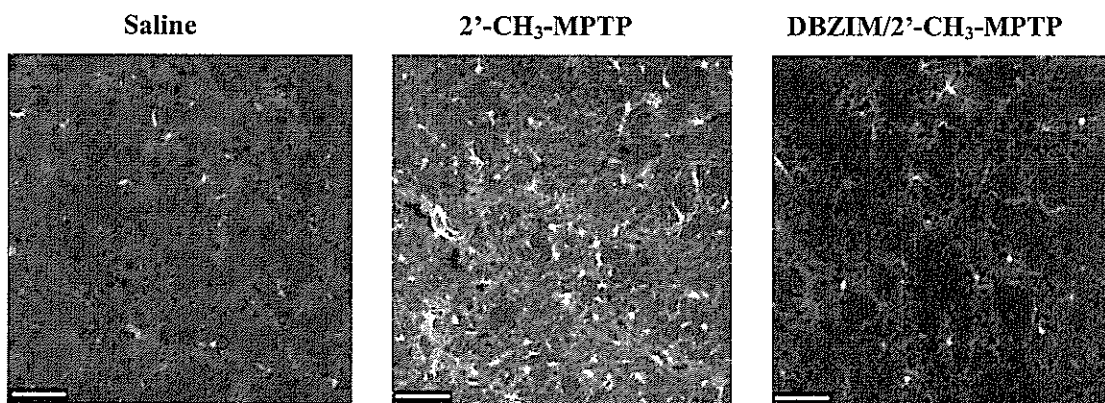
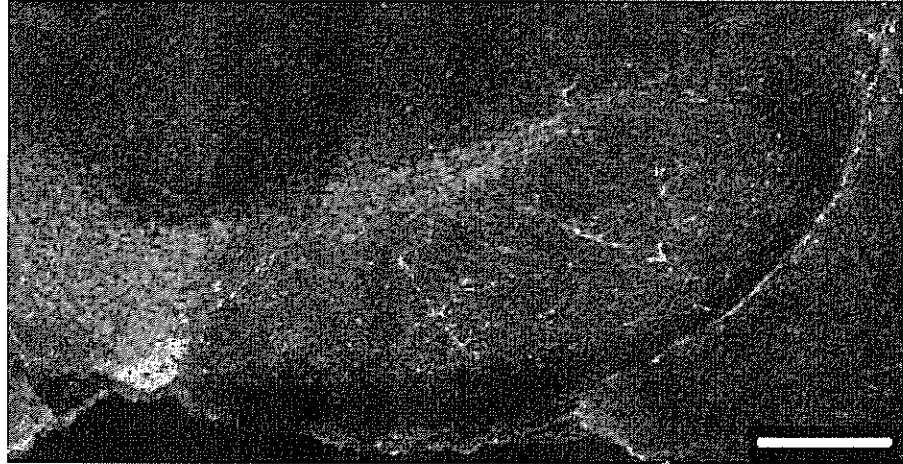


FIGURE 7

Saline



2'-CH₃-MPTP

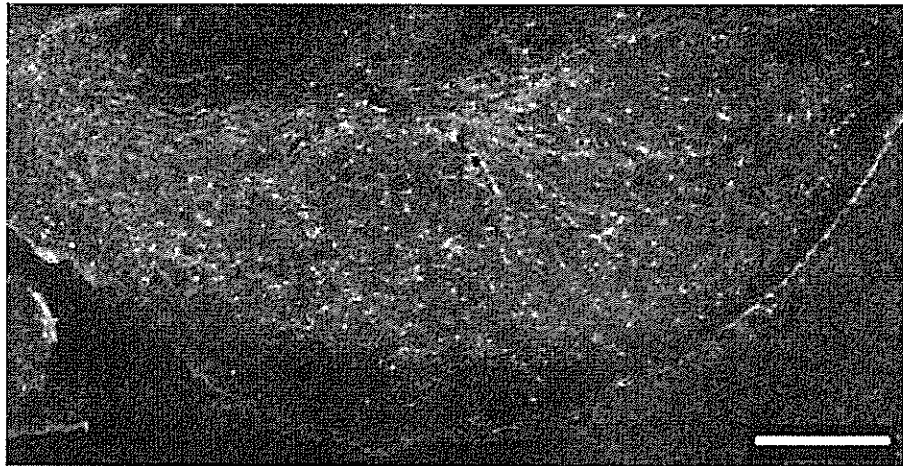


FIGURE 8

DBZIM/2'-CH₃-MPTP

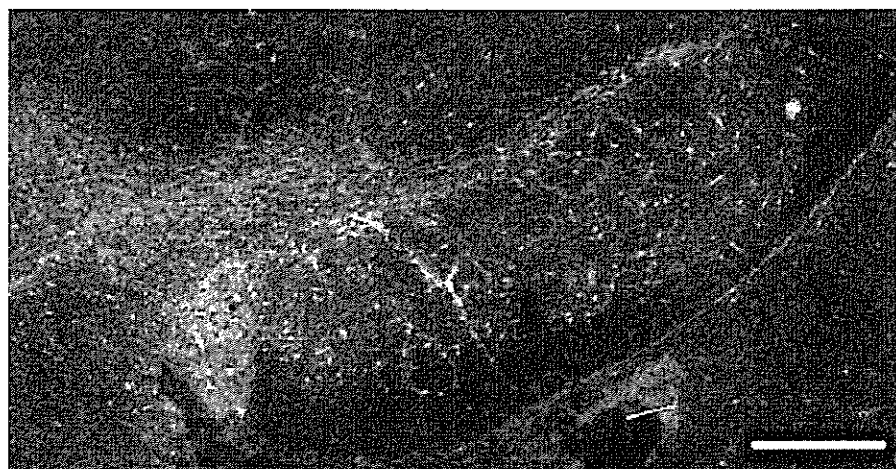


FIGURE 8 Continued

Table 1. Names and Structures of Particular IMSs

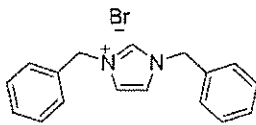
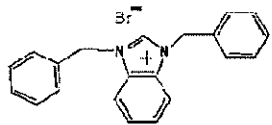
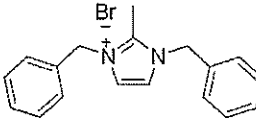
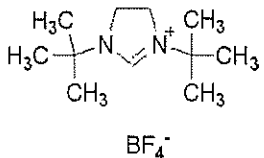
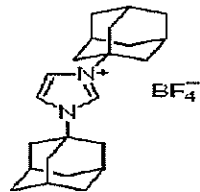
Compound number	Chemical Name	Structure
DBZIM	1, 3-Dibenzylimidazolium bromide	
DBZBIM	1,3-Dibenzylbenzimidazolium bromide	
TDBZIM	1,3,5-tris(4-methylimidazolium)-linked cyclophane 3Br	
DBZMIM	1,3-Dibenzyl-2-methylimidazolium bromide	
DBIM	1,3-Di-tert-butylimidazolium tetrafluoroborate	
AMIM	<i>N,N'</i> -(Adamantyl)imidazolium tetrafluoroborate	

Table 1. Continued

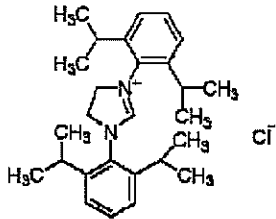
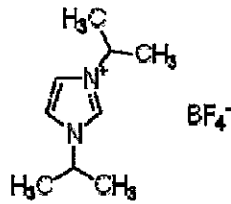
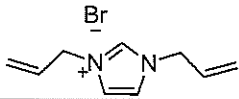
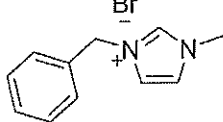
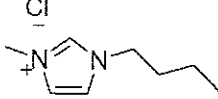
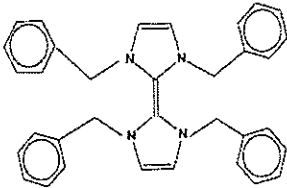
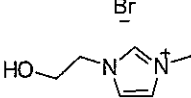
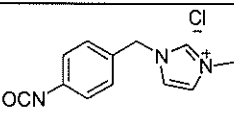
DPPHIM	1,3-Bis-(2,6-diisopropylphenyl)imidazolium chloride	
DPIM	1,3-Diisopropylimidazolium tetrafluoroborate	
Compound D (IBN-13)	1,3-Diallylimidazolium bromide	
Compound E (IBN-12)	1-benzyl-3-methylimidazolium bromide	
Compound G	1-Butyl-3-methylimidazolium chloride	
Compound H	1,3-Dibenzyl-2-(1,3-dibenzyl-1H-imidazol-2(3H)-ylidene)-2,3-dihydro-1H-imidazole	
Compound 2 (IBN-2)	1-methyl-3-(2-hydroxyethyl)imidazolium bromide	
Compound 3 (IBN-3)	1-methyl-3-(4-isocyanatobenzyl)imidazolium chloride	

Table 1 Continued

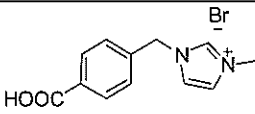
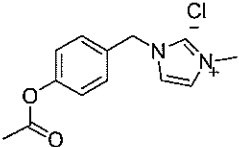
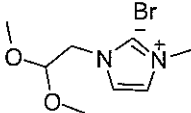
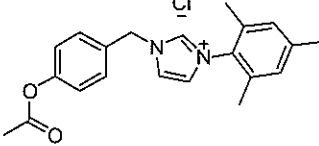
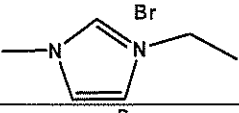
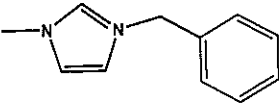
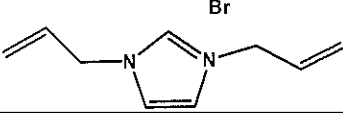
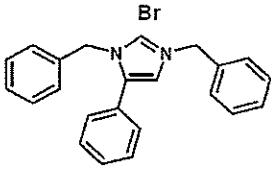
Compound 4 (IBN-4)	1-methyl-3-(4-carboxylbenzyl)-imidazolium bromide	
Compound 6 (IBN-6)	1-methyl-3-(4-acetate-benzyl)-imidazolium chloride	
Compound 8 (IBN-8)	1-methyl-3-(2,2-dimethoxyethyl)-imidazolium bromide	
Compound 9 (IBN-9)	1-(2,4,6-trimethylphenyl)-3-(4-acetate-benzyl)-imidazolium chloride	
IBN-11	1-ethyl-3-methylimidazolium bromide	
IBN-12	1-methyl-3-benzylimidazolium bromide	
IBN-13	1,3-bisallylimidazolium bromide	
IBN-15	1,3-Dibenzyl-5-phenylimidazolium bromide	

Table 1 Continued

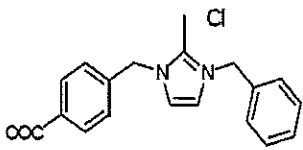
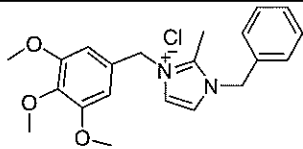
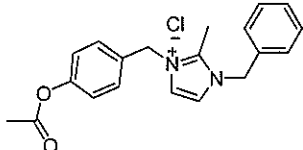
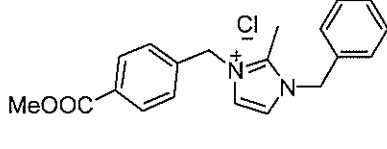
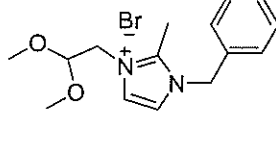
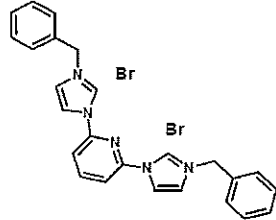
IBN-17	1-benzyl-3-(4-carboxylbenzyl)-2-methylimidazolium chloride	
IBN-18	1-benzyl-3-(3,4,5-trimethoxybenzyl)-2-methylimidazolium chloride	
IBN-19	1-benzyl-3-(4-acetatebenzyl)-2-methylimidazolium chloride	
IBN-20	1-benzyl-3-(4-methylcarboxylatebenzyl)-2-methylimidazolium chloride	
IBN-21	1-benzyl-3-(2,2-dimethoxyethyl)-2-methylimidazolium bromide	
IBN-22	2,6-di-(3-benzylimidazolium bromide)-pyridine	

Table 1 Continued

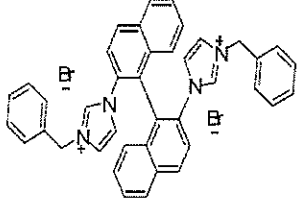
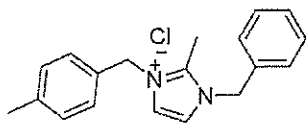
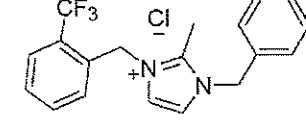
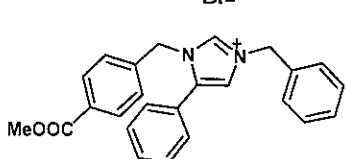
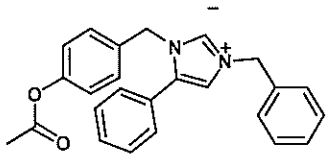
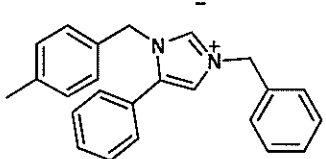
IBN-23	2,2'-di-(3-benzyl-imidazolium bromide)-1,1'-binaphthalene	
IBN-24	1-benzyl-3-(4-methylbenzyl)-2-methylimidazolium chloride	
IBN-25	1-benzyl-3-(2-trifluoromethylbenzyl)-2-methylimidazolium chloride	
IBN-26	1-benzyl-3-(4-methylcarboxylatebenzyl)-5-phenyl-imidazolium bromide	
IBN-27	1-benzyl-3-(4-acetatebenzyl)-5-phenyl-imidazolium bromide	
IBN-28	1-benzyl-3-(4-methylbenzyl)-5-phenylimidazolium chloride	

Table 1 Continued

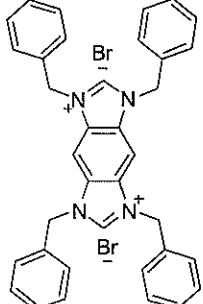
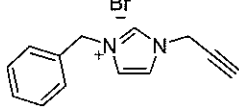
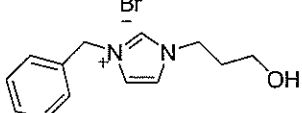
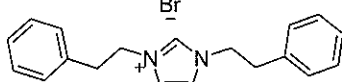
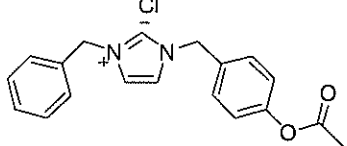
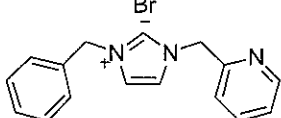
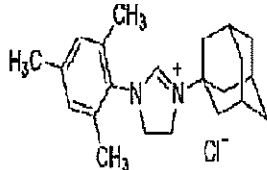
IBN-29	Benzo(1,2-4,5-diimidazolium)-N,N',N'',N'''-tetrabenzyl-,di-bromide	
IBN-30	1-benzyl-3-(2-propyn-1-yl)-imidazolium bromide	
IBN-31	1-benzyl-3-(3-hydroxyl-propyl)-imidazolium bromide	
IBN-32	1,3-di(2-phenylethyl)-imidazolium bromide	
IBN-33	1-benzyl-3-(4-acetatebenzyl)-imidazolium chloride	
IBN-34	1-benzyl-3-(pyridin-2-yl)-imidazolium bromide	
S1	1-(1-Adamantyl)-3-(2,4,6-trimethylphenyl)-4,5-dihydroimidazolinium chloride	

Table 1 Continued

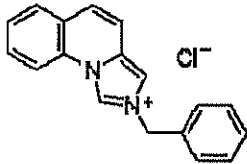
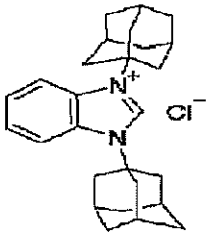
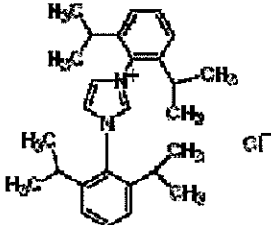
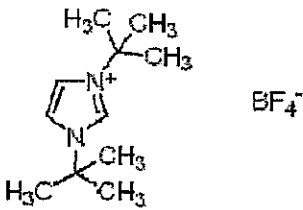
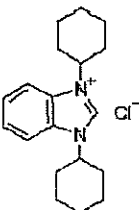
S2	2-Benzylimidazo[1,5- <i>a</i>]quinolinium chloride	
S3	1,3-Bis(1-adamantyl)benzimidazolium chloride	
S4	1,3-Bis(2,6-diisopropylphenyl)imidazolium chloride	
S5	1,3-Di- <i>tert</i> -butylimidazolium tetrafluoroborate	
S6	1,3-Dicyclohexylbenzimidazolium chloride	

Table 1 Continued

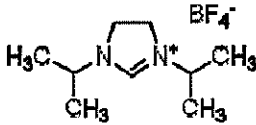
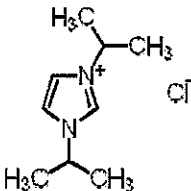
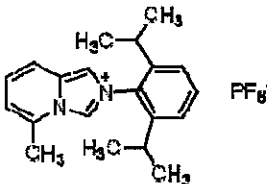
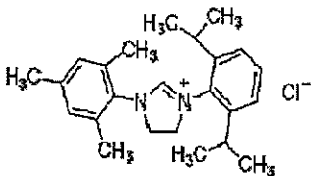
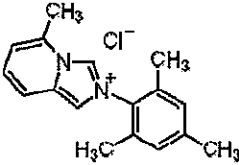
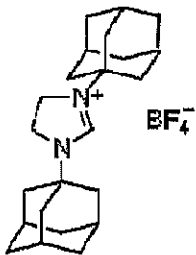
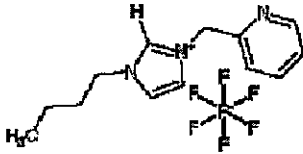
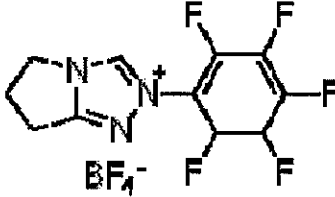
S7	1,3-Diisopropylimidazolium tetrafluoroborate	
S8	1,3-Diisopropylimidazolium chloride	
S9	2-(2,6-Diisopropylphenyl)-5-methylimidazo[1,5-a]pyridinium hexafluorophosphate	
S10	1-(2,6-Diisopropylphenyl)-3-(2,4,6-trimethylphenyl)-imidazolium chloride	
S11	2-Mesityl-5-methylimidazo[1,5-a]pyridinium chloride	
S12	2-Mesityl-2,5,6,7-tetrahydropyrrolo[2,1-c][1,2,4]triazol-4-ium chloride	

Table 1 Continued

S13	1,3-Bis(1-adamantyl)imidazolinium tetrafluoroborate	
S14	1-Butyl-3-(2-pyridinylmethyl)-1 <i>H</i> -imidazolium hexafluorophosphate	
S15	6,7-Dihydro-2-pentafluorophenyl-5 <i>H</i> -pyrrolo[2,1- <i>c</i>]-1,2,4-triazolium tetrafluoroborate	
TMPHIM	1,3-Bis (2,4,6-trimethylphenyl)-imidazolinium chloride	