SUPPLEMENTARY MATERIALS FOR MANUSCRIPT

New Acentric Materials Constructed From Aminopyridines and 4-Nitrophenol

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Table 1S. Selected observed IR bands (υ, cm^{-1}) for adducts studied

2(**I**)•**1**	2(**I**)•**2**	2(**I**)•**3**	**I•4**	2(**I**)•**5**	2(**I**)•**6**	Assignment
-	3446	-	3460	3430	3485	N-H stretching, O-H vibration, H-bond formation
3375	3377	-	3376	3339	3378	NH_2 asymmetric stretching mode
-	3286	3316	-	3221	3312	NH_2 symmetric stretching mode
3089	3070	-	-	-	-	aromatic CH stretching mode
-	1616	1612	-	1695	1632	pyridine ring stretching vibration
1573	1562	1586	1585	1567	1572	NO_2 asymmetric stretching
1321	-	1322	1330	1326	1328	NO_2 symmetric stretching, C-N stretching mode
1239	1247	1215	1241	1246	1243	C-O stretching vibration for substituted phenols
1153	1137	1165	-	1175	-	NH_2 rocking mode; O-H-in plane bending
1098	-	-	1110	1101	1104	C-C-N asymmetric stretch, ring stretching
847	-	848	842	859	849	NH_2 out-of plane bending mode
755	-	753	-	754	755	out-of-plane ring deformation mode
697	668	-	687	694	-	C-H out-of-plane deformation mode

Table 2S. Selected Structural Data for Multicomponent Complexes Containing 4-Nitrophenol.

Compound	Sp. Gr.	CSD code	Reference
4-Aminopyridine	$P2_12_12_1$	AMPYRE	[71]
3,4-Diaminopyridine	$P2_12_12_1$	REWBOL	[72]
2,3-Diaminopyridine	$P4_2bc$	EVODEZ	[73]
3-Aminopyridine	*Cc*	AMIPYR	[74]
2-Amino,6-methylpyridine	$P2_1/c$	-	[75]
2,4-Diaminopyrimidine acetone solvate	$P2_1/c$	-	[76]
4-Aminopyridinium 4-nitrophenolate 4-nitrophenol	$\mathbf{P2_1}$	-	**This work**
2-Amino,6-methylpyridinium 4-nitrophenolate 4-nitrophenol	$\mathbf{Pna2_1}$	-	**This work**
3,4-Diaminopyridinium 4-nitrophenolate 4-nitrophenol	$\mathbf{P2_1}$	-	**This work**
2,3-Diaminopyridinium 4-nitrophenolate 4-nitrophenol	$\mathbf{P2_1}$	-	**This work**
4-(Dimethylamino)pyridinium 4-nitrophenolate 4-nitrophenol	$P2_12_12_1$	PUMQAP PUMQAP01	[49] [77]
2-Aminopyridinium 4-nitrophenolate 4-nitrophenol	$Pna2_1$	KAPFEN	[50]
2,6-Diaminopyridinium 4-nitrophenolate 4-nitrophenol	$Pna2_1$	KAPFIR	[50]
L-Histidine-4-nitrophenolate 4-nitrophenol	$P2_1$	EMUROU	[53]
L-Arginine 4-nitrophenolato 4-nitrophenol dihydrate	$P2_1$	-	[56]
1,5,7-Triazabicyclo(4.4.0)dec-5-ene bis(4-nitrophenol)	$P2_1$	OFECAD	[78]
2,3-Diaminopyrimidinium 4-nitrophenolate 4-nitrophenol	$\mathbf{P2_1/c}$	-	**This work**
1,3,5-triazine-2,4,6-triamine bis(4-nitrophenol) monohydrate	*P-1*	XECBEON	[70]
Imidazolium 4-nitrophenolate 4-nitrophenol monohydrate	$P2_1/c$	HILMAR	[79]
2-(N,N-Diethylamino)methyl-4-nitrophenol 4-nitrophenol	*Pbca*	NUDLON	[80]
Hexa-aqua-(4-nitrophenol-O)-calcium bis(4-nitrophenolate) 4-nitrophenol dihydrate	$P2_1/n$	FEDWIU	[81]
Hexa-aqua-(4-nitrophenol-O,O')-strontium *bis*(4-nitrophenolate) 4-nitrophenol dihydrate	$P2_1/c$	FEDWUG	[81]
(4-Nitrophenolato)-(tetramethylethylenediamine)-methyl-palladium(II) 4-nitrophenol solvate	$P2_1/c$	ZIHWOC	[82]
Dimethylammonium 4-nitrophenolate 4-nitrophenol	$P2_1/n$	KUSWOL	[83]
(3-Pyridyl)methanaminium 4-nitrophenolate 4-nitrophenol	*P*-1	QUYZOA	[84]
L-Tryptophan (tris)(4-nitrophenol solvate)	$P2_1$	LAQXIM	[85]
3-Aminopyridine 4-nitrophenol	$P2_1$	-	**This work**
4-Pyridone 4-nitrophenol	$Pna2_1$	PUMQET	[49]
L-Argininium 4-nitrophenolate monohydrate	$P2_12_12_1$	OFIWUW	[55]
L-Phenylalanine 4-nitrophenol	$P2_1$	XETLIS	[86]
4-Nitropyridine N-oxide 4-nitrophenol	$Pna2_1$	JUDNAX	[87]
2-Pyridone 4-nitrophenol	$P2_1/c$	OFUGUR	[88]
Pyridine N-oxide 4-nitrophenol	$P2_1/c$	NILZOX	[89]
2-Picoline N-oxide 4-nitrophenol	$P2_1/c$	WIRWID	[90]
4-Methylpyridine 4-nitrophenol	*Pbca*	CAXNOE	[91]
Acetamide 4-nitrophenol	$P2_1/c$	LOCHOB	[92]
Cis,trans-Diacetamide 4-nitrophenol	*P-1*	VIVYUU	[93]
N-Butyrylbenzamide 4-nitrophenol	*P-1*	VIVZAB	[93]
Urea 4-nitrophenol	*P-1*	GAVHUH	[94]
2,3,5,6-Tetramethylpyrazine 4-nitrophenol	*P-1*	FIQBAJ	[95]
Methylammonium nitrophenolate	*Pbca*	NUZKAU	[96]
1-Adamantylammonium 4-nitrophenolate monohydrate	$P2_1/n$	FIRNEA	[97]
Benzyltrimethylammonium p-nitrophenolate trihydrate	$P2_12_12_1$	FITZEN	[98]
O-(1-adamantoyl)-N-(9-anthracenylmethyl)dihydrocinchoninium 4-nitrophenolate acetonitrile solvate tetrahydrate	$P2_12_12_1$	HEXPOQ	[99]
O-Allyl-9-anthracenylmethyl cinchonidinium *p*-nitrophenoxide dichloromethane solvate	$P2_12_12_1$	NEDDEF	[100]
Theophylline p-nitrophenol	*P-1*	TOPPNP	[101]

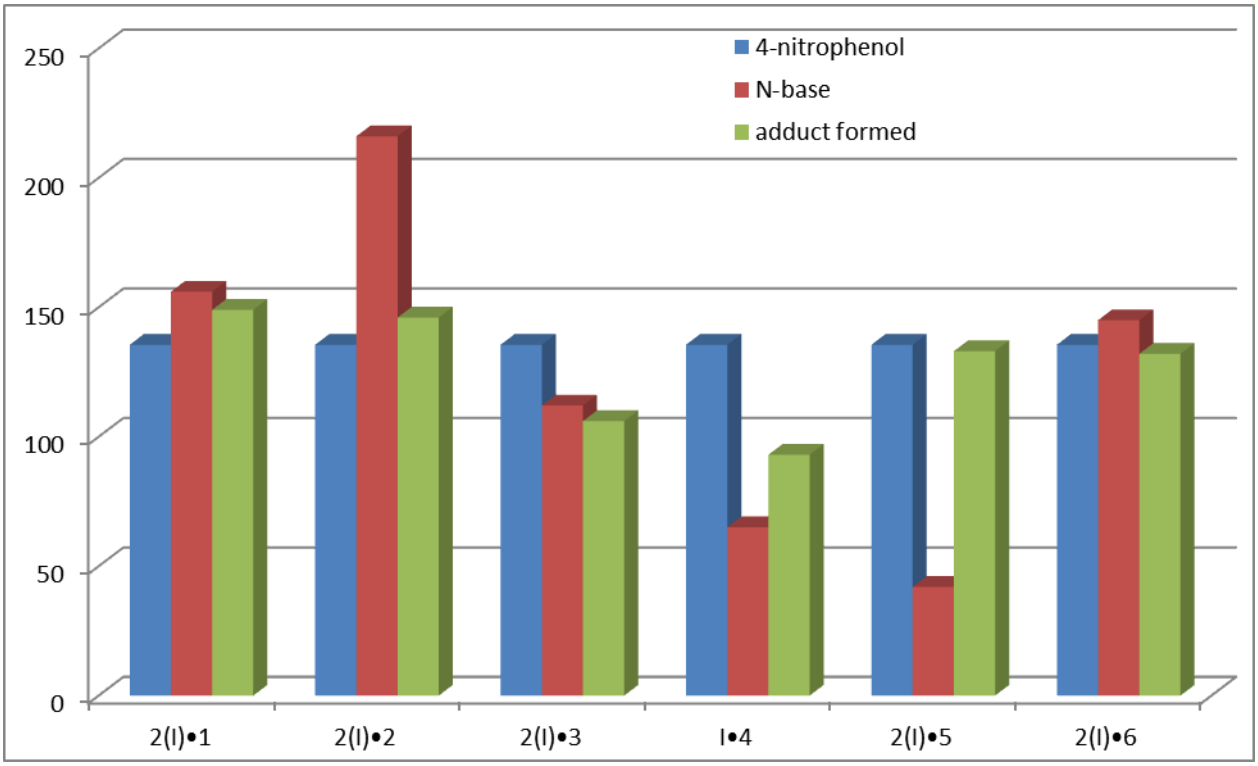
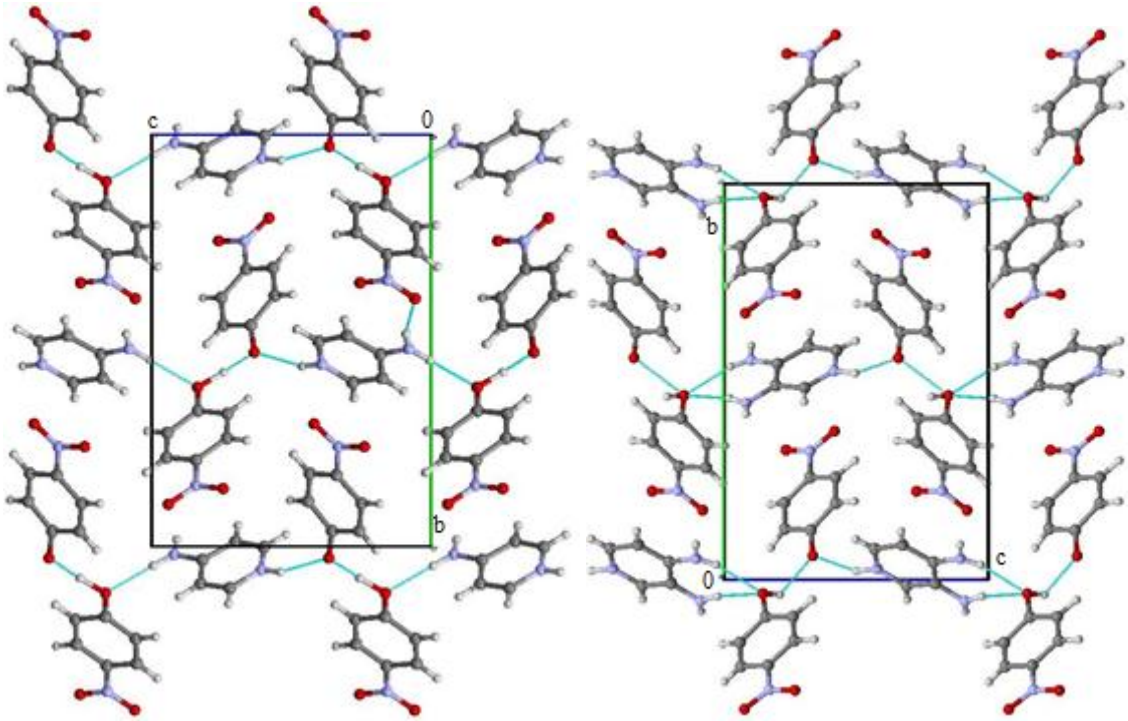
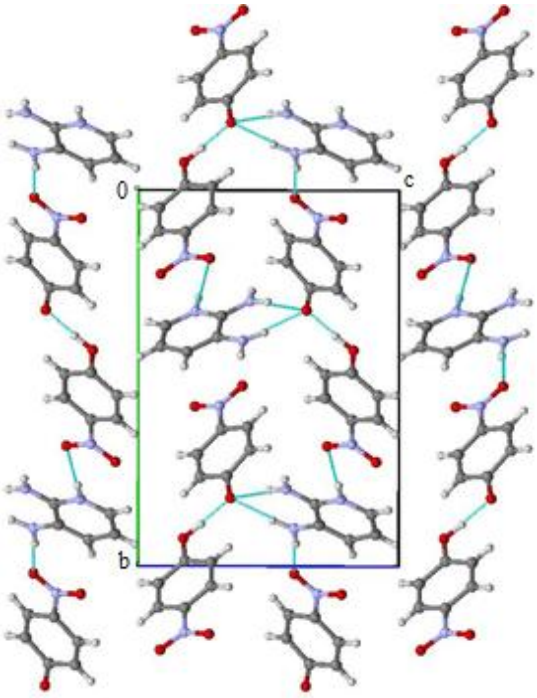


Fig. 1S. Melting points for new and initial compounds.

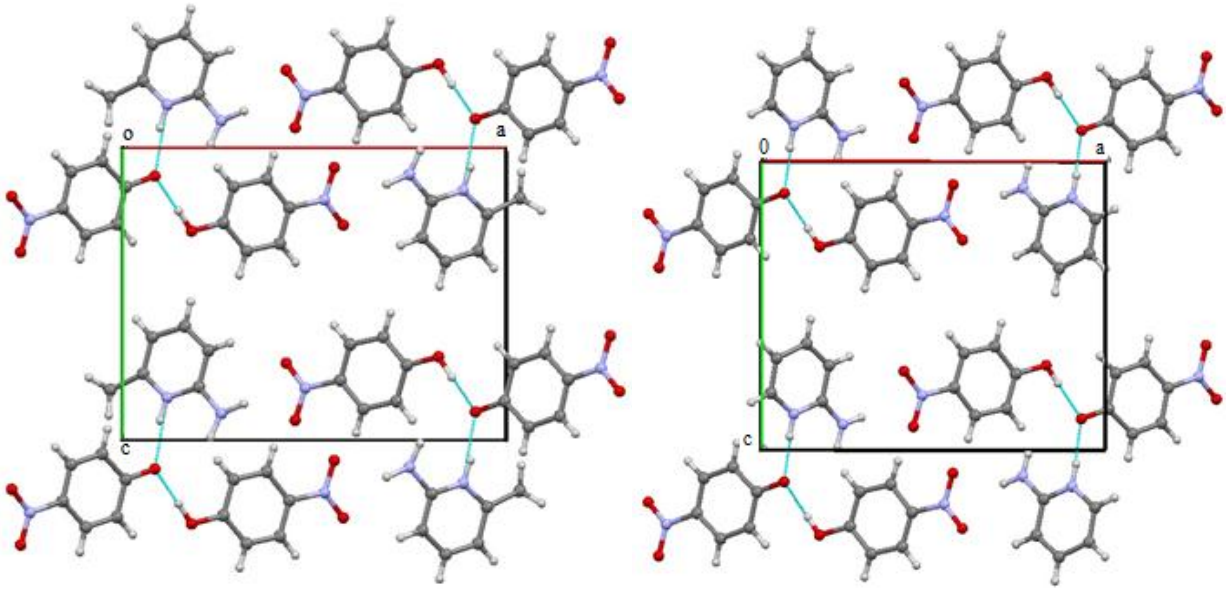


(a) (b)

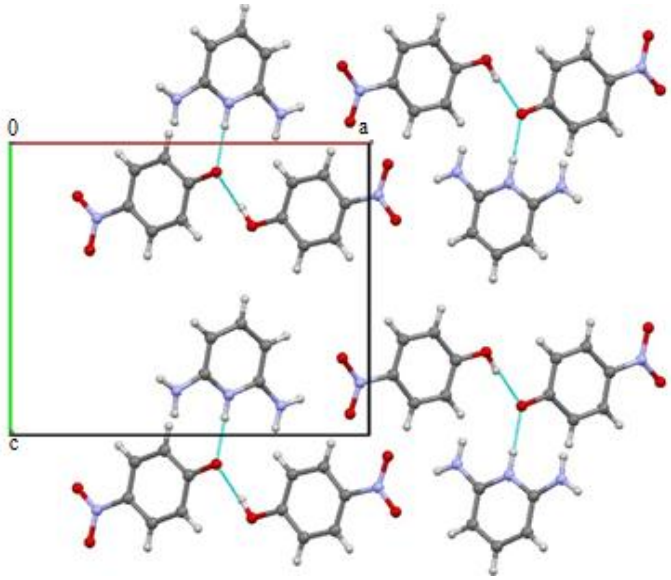


(c) (d)

Figure 2S. Fragments of crystal packing in 2(**I**)•**1**(a), 2(**I**)•**2** (b), 2(**I**)•**3** (c).



(a) (b)



(c)

Figure 3S. Fragments of crystal packing in 2(**I**)•**5** (a), KAPFEN(b) and KAPFIR(c) [50].