

Ionothermal synthesis of two novel metal organophosphonates

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Supplementary information.

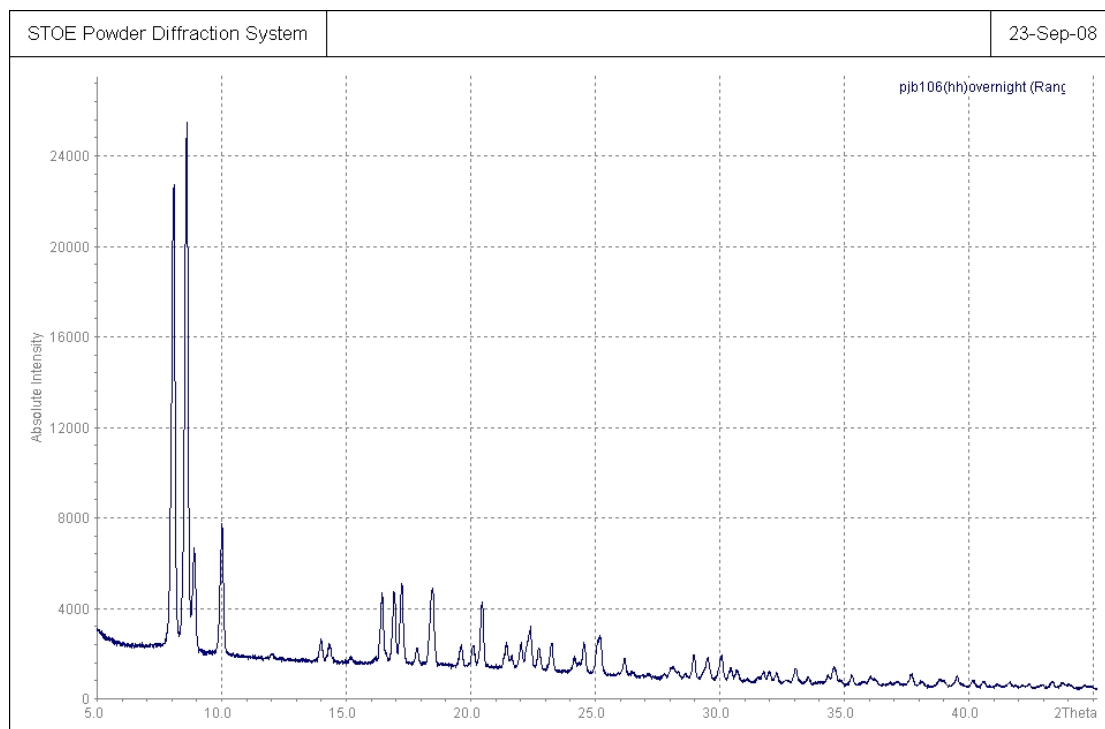


Figure 1: Powder diffraction of compound 1.

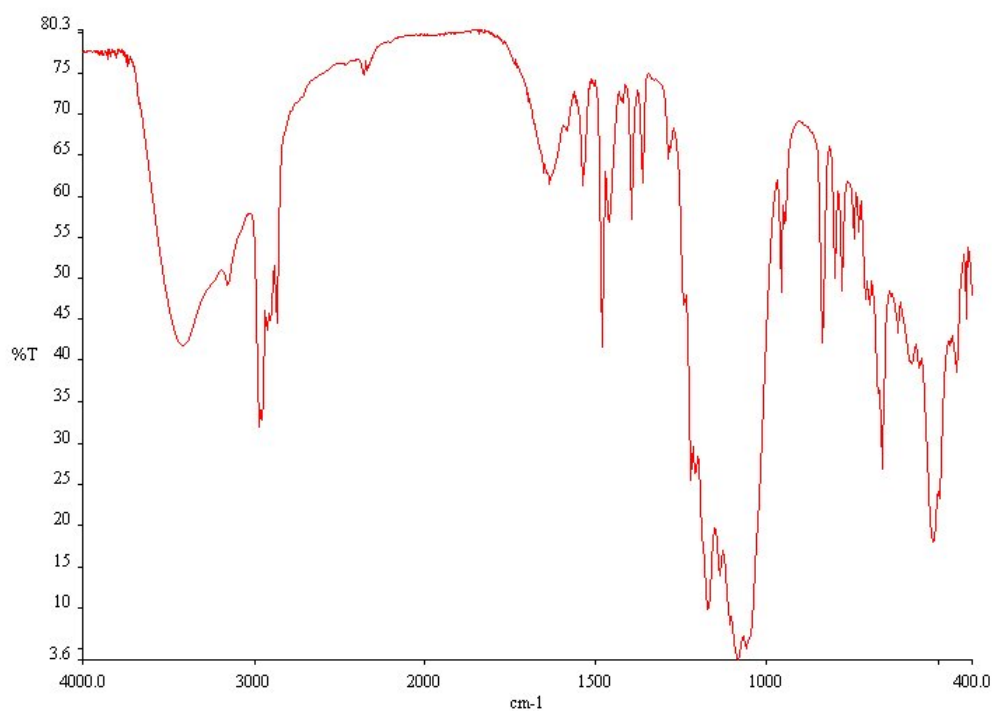


Figure 2: IR of compound 1 with characteristic hydroxyl peak at 3500cm^{-1} .

Table 1: Hydrogen bond table for compound 1, bond, bond length and angles.

C86 -- H1A .. O1	0.96	2.6	3.268(10)	127
C43 -- H6C .. O34	0.96	2.5	3.179(12)	128
C20 -- H20B .. O32	0.96	2.59	3.000(13)	106
C20 -- H20C .. O34	0.96	2.54	3.456(12)	161
C72 -- H21 .. O32	0.93	2.53	2.925(12)	106
C74 -- H23 .. O15	0.93	2.57	2.950(16)	105
C31 -- H26A .. O31	0.96	2.53	2.995(14)	109

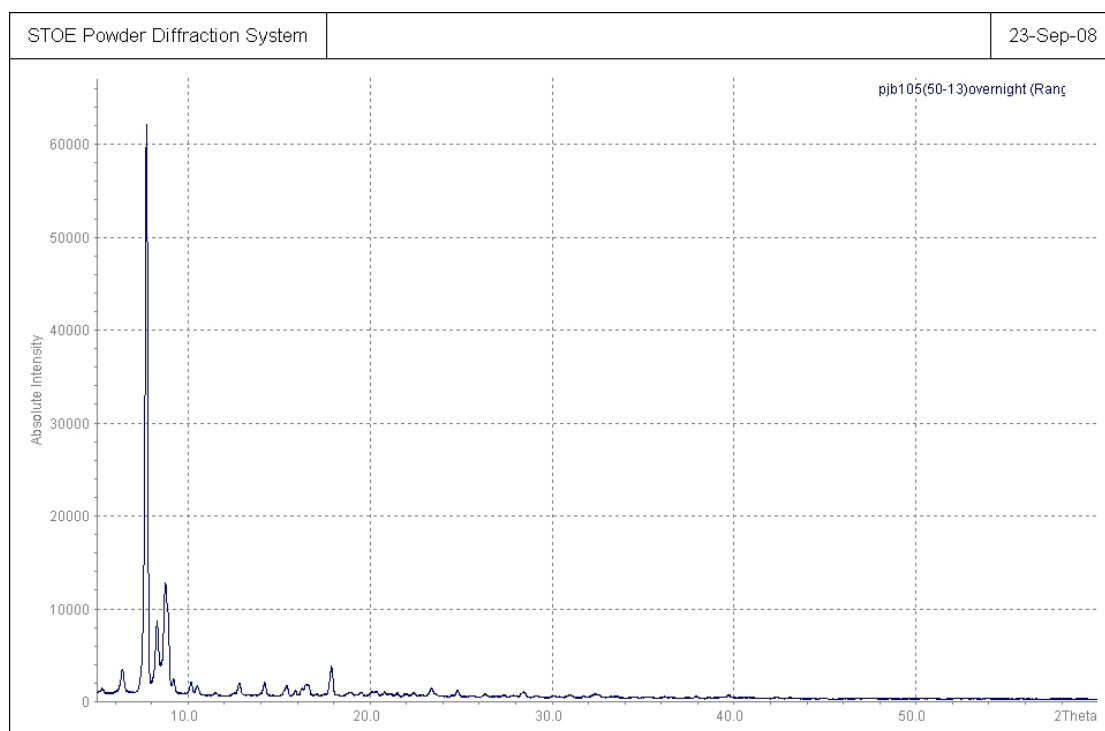


Figure 3: Powder diffraction of compound 2.

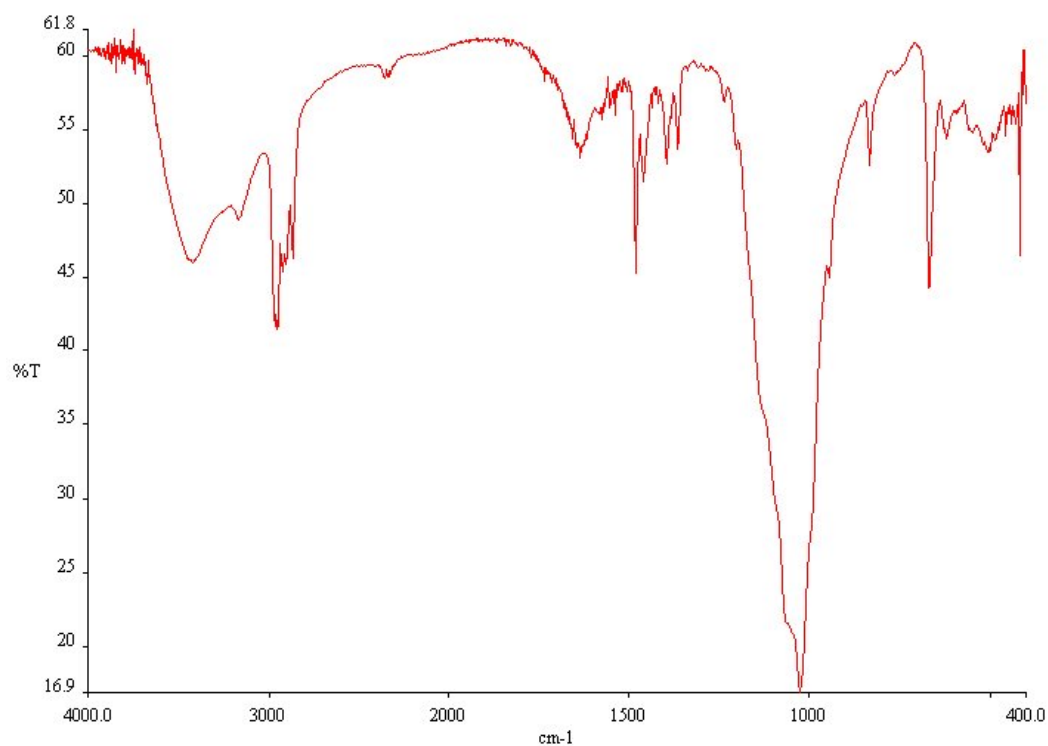


Figure 4: IR of compound 2.

Table 2: Hydrogen bond table for compound 2, bond, bond length and angle.

O32 -- H32 .. O12	0.82	1.75	2.494(12)	150
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CHN analysis

Theoretical in brackets

C= 27.49% (30.5%), H= 4.86% (5.7%), N=2.35% (1.8%)