

## Supporting Information

### **Metal-Free C3-H Hydrazination of Imidazo[1,2-*a*]pyridine with Azodiformates in Water at Room Temperature**

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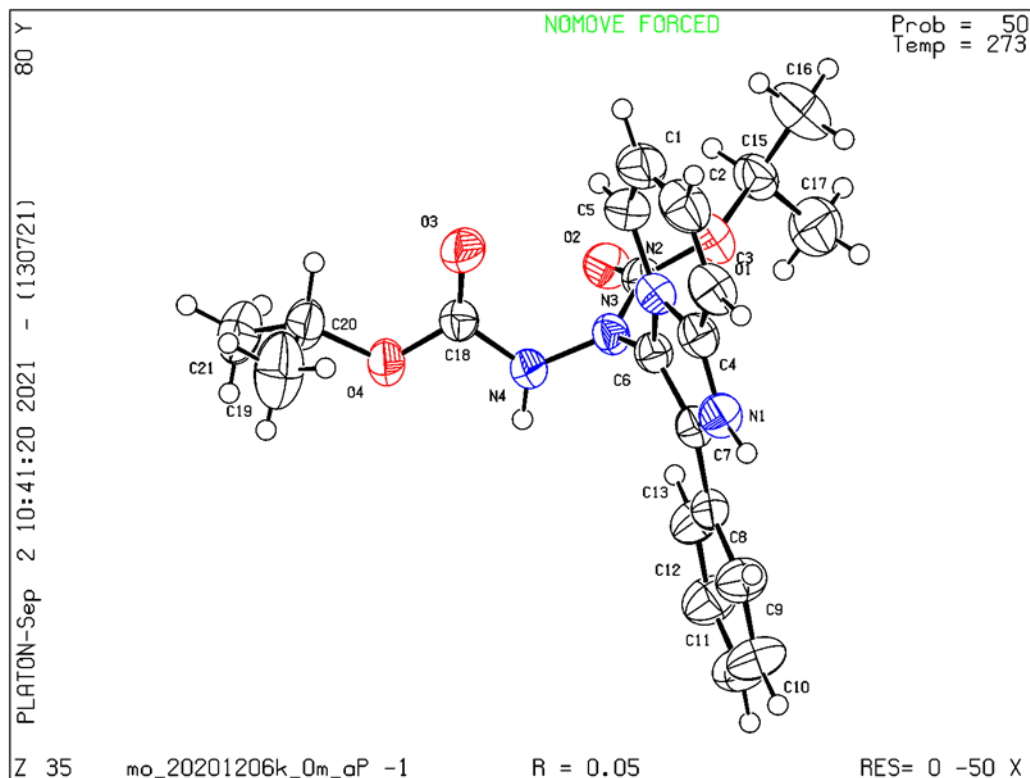
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## 1. The Single Crystal X-ray Diffraction Study of 3aa



CCDC 2103352 (**3aa**) contains the supplementary crystallographic data for this paper. These data can be obtained free of charge from The Cambridge Crystallographic Data Centre *via* [www.ccdc.cam.ac.uk/data\\_request/cif](http://www.ccdc.cam.ac.uk/data_request/cif).

**Table S1** Crystal data and structure refinement for **3aa**.

Bond precision: C-C = 0.0027 Å Wavelength=0.71073

Cell: a=10.208(2) b=10.437(2) c=11.222(2)  
 alpha=92.859(7) beta=114.770(6) gamma=105.991(7)

Temperature: 273 K

	Calculated	Reported
Volume	1024.7(3)	1024.7(4)
Space group	P -1	P -1
Hall group	-P 1	-P 1
Moiety formula	C21 H25 N4 O4	0.1(C21 H25 N4 O4)
Sum formula	C21 H25 N4 O4	C2.10 H2.50 N0.40 O0.40
Mr	397.45	39.74
Dx, g cm <sup>-3</sup>	1.288	1.288
Z	2	20
Mu (mm <sup>-1</sup> )	0.091	0.091
F000	422.0	422.0

F000'	422.19	
h,k,lmax	13,13,14	13,13,14
Nref	4738	4711
Tmin,Tmax	0.989,0.992	
Tmin'	0.989	
Correction method=	Not given	
Data completeness=	0.994	Theta(max)= 27.548
R(reflections)=	0.0455( 3137)	wR2(reflections)= 0.1424( 4711)
S =	1.057	Npar= 266

## 2. Copies of $^1\text{H}$ and $^{13}\text{C}$ NMR Spectra for the Products

