

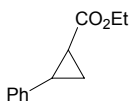
Supplementary Information

Synthesis of new copper (I) complexes with tris(2-pyridyl) ligands. Applications to carbene and nitrene transfer reactions.

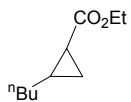
Julio Pérez, Dolores Morales, Luis A. García Escudero, Héctor Martínez-García, Daniel Miguel and Pablo Bernad

Table 1. Crystallographic Data for 4 and 5.

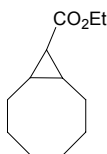
	4	5
formula	C ₁₀₂ H ₆₄ B ₂ Cu ₂ F ₄₈ N ₈ O ₂	C ₃₁ H ₂₄ CuF ₃ N ₈ O ₃ S
fw	2494.31	709.18
cryst system	triclinic	monoclinic
space group	P-1	P2(1)/n
<i>a</i> , Å	11.330(3)	8.4385(18)
<i>b</i> , Å	14.574(4)	17.821(4)
<i>c</i> , Å	18.019(5)	20.819(5)
α , deg	67.429(5)	90
β , deg	76.811(6)	96.231(4)
γ , deg	88.813(6)	90
<i>V</i> , Å ³	2667.8(12)	3112.4(12)
Z	1	4
<i>T</i> , K	293(2)	296(2)
<i>D_c</i> , g cm ⁻³	1.553	1.513
F(000)	1248	1448
λ (MoK α), Å	0.71073	0.71073
crystal size, mm	0.26x 0.17x 0.11	0.36x 0.10x 0.09
μ , mm ⁻¹	0.535	0.834
scan range, deg	1.26 $\leq\theta\leq$ 23.33	1.51 $\leq\theta\leq$ 23.32
refl. measured	12075	13877
indep. refl.	7624	4483
data/restraints/ parameters	7624 / 0 / 719	4383 / 0 / 424
goodness-of-fit on F ²	1.090	1.001
<i>R</i> ₁ / <i>R</i> _{w2} [<i>I</i> $>2\sigma$ (<i>I</i>)]	0.1209/ 0.2782	0.0422/ 0.1008
<i>R</i> ₁ / <i>R</i> _{w2} (all data)	0.2040/0.3130	0.0660/0.1094



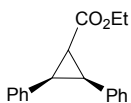
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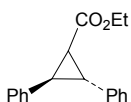
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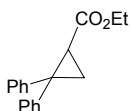
Pérez, P. J.; Brookhart, M.; Templeton, J. L. *Organometallics* 1993, **12**, 261.



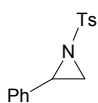
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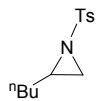
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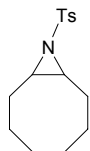
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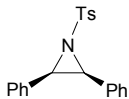
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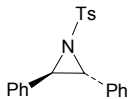
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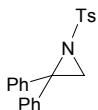
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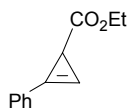
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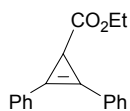
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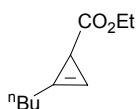
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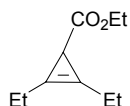
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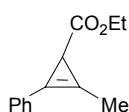
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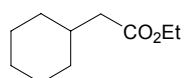
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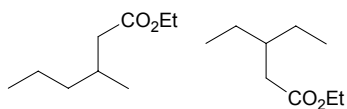
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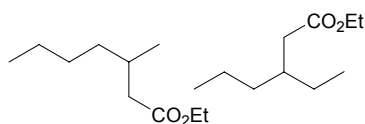
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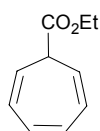
The NMR data were compared with those of a commercial sample .



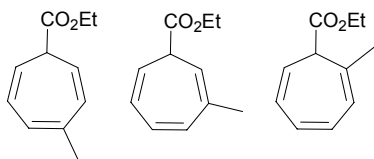
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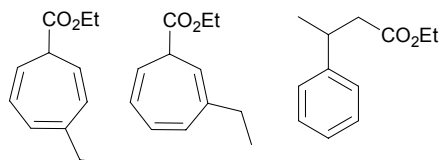
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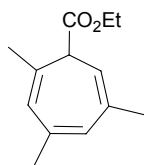
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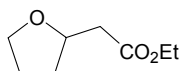
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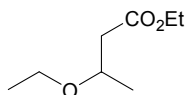
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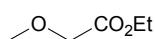
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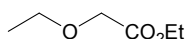
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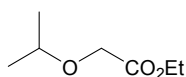
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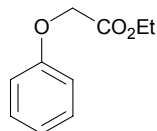
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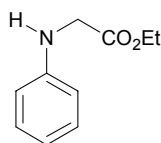
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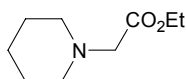
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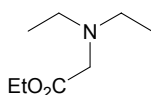
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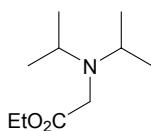
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