

Platinum(II)-catalyzed selective para C-H alkoxylation of arylamines through a coordinating activation strategy

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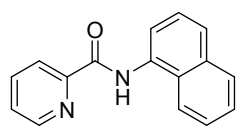
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Supporting Information

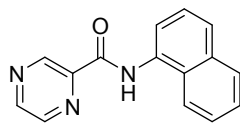
Table of contents

1. Preparation of Carboxamides	2
2. X-ray Crystal Data for 3c	3
2. Copies of NMR Spectra	4

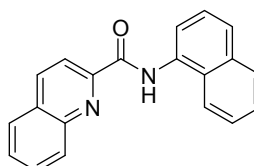
1. Preparation of Carboxamides



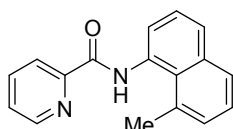
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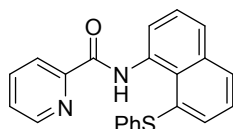
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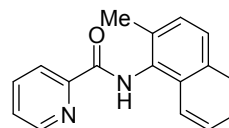
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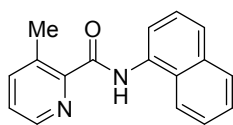
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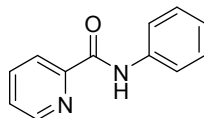
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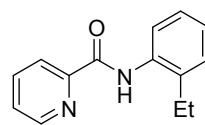
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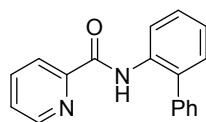
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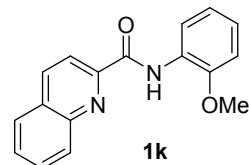
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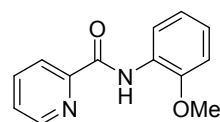
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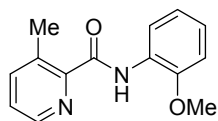
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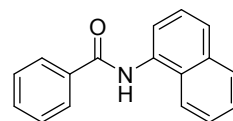
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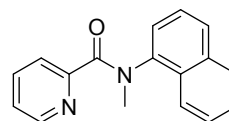
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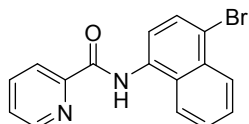
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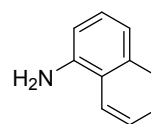
1n



1o



1p



1q

2. X-ray Crystal Data for 3c

Figure S1. Single-Crystal X-Ray Structure of **3c**. Ellipsoids Are Represented at 30% Probability.

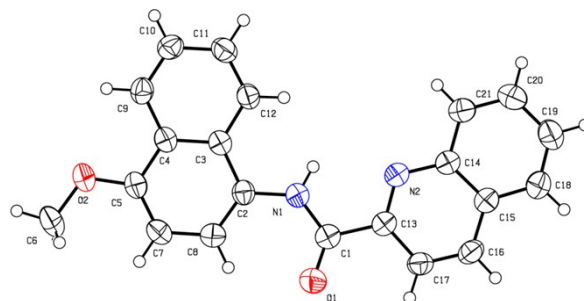


Table S1. Crystallographic data and structure refinement for **3c**

CCDC	1859558
Empirical formula	C ₂₁ H ₁₆ N ₂ O ₂
Formula weight	328.36
Temperature, K	273.15
Wavelength, Å	0.71073
Crystal system	Monoclinic
Space group	P 1 21/c 1
<i>a</i> , <i>b</i> , <i>c</i> , Å	6.1601 (7), 16.0224 (18), 16.6437 (19)
<i>α</i> , <i>β</i> , <i>γ</i> , °	90, 99.193 (2), 90
Volume, Å ³	1621.6 (3)
<i>Z</i>	4
Calculated density, Mg/m ³	1.345
<i>F</i> (000)	688
Theta range for data collection, °	1.775 to 27.491
Limiting indices	-7 ≤ <i>h</i> ≤ 7, -15 ≤ <i>k</i> ≤ 20, -21 ≤ <i>l</i> ≤ 19
Reflections collected / unique	9560 / 3656 [R(int) = 0.0217]
Absorption correction	Semi-empirical from equivalents
Refinement method	Full-matrix least-squares on <i>F</i> ²
Data / restraints / parameters	3656 / 0 / 228
Goodness of fit on <i>F</i> ²	1.017

3. Copies of NMR Spectra

