

Characterisation Checklist

Manuscript ID: _____
Submitting Author: Rui Wang
Substrate-Controlled Divergent Synthesis of Substituted Carbazoles through Cascade
Reaction of 2-AlkenylIndoles with α,β -Unsaturated Ketones
Manuscript Title: _____

Guidelines:

1. Characterisation of new and known compounds should be reported in line with the data requirements of the journal: <https://rsc.li/2Jdig5s>
2. For each compound, enter the compound number as per manuscript in the first column, and type a single "X" in the cell corresponding to the type of data reported in the manuscript or ESI.
3. Print the completed checklist as a ".pdf" file. During submission, upload the saved file together with your manuscript, and select "Compound Characterization Checklist" as the file designation.
4. If no synthesis is reported in the paper, please indicate this in the yellow box and upload the form as above

I confirm that no synthesis or characterisation of compounds is reported in this manuscript.

Compound number	New	Known with reference(s) cited	Yield	Physucak state / mp if cryst. Coloid	IR	UV-Vis	¹ H NMR	¹³ C NMR	² D NMR	Copy of NMR spectrum in ESI	MS	HRMS	Elemental Analysis	Specific optical rotation	GC/ HPLC	Copy of chromatogram in ESI	X-ray (ORTEP and CIF in ESI)	Notes
2w	X		X	X			X	X		X		X						
2x	X		X	X			X	X		X		X						
2y	X		X	X			X	X		X		X						
2z	X		X	X			X	X		X		X						
2aa	X		X	X			X	X		X		X						

4r	X		X	X			X	X		X		X						
4v	X		X	X			X	X		X		X						
1a	X		X	X			X	X		X		X						
1d	X		X	X			X	X		X		X						
1e	X		X	X			X	X		X		X						
1f	X		X	X			X	X		X		X						
1g	X		X	X			X	X		X		X						
1h	X		X	X			X	X		X		X						
1i	X		X	X			X	X		X		X						
1j	X		X	X			X	X		X		X						
1k	X		X	X	X		X	X		X		X						
1l	X		X	X	X		X	X		X		X						
1m	X		X	X	X		X	X		X		X						
1n	X		X	X	X		X	X		X		X						
1o	X		X	X	X		X	X		X		X						
3a	X		X	X	X		X	X		X		X					X	
3b	X		X	X	X		X	X		X		X						
3c	X		X	X	X		X	X		X		X						
3d	X		X	X	X		X	X		X		X						
3e	X		X	X	X		X	X		X		X						
3f	X		X	X	X		X	X		X		X						
3g	X		X	X	X		X	X		X		X						
3h	X		X	X	X		X	X		X		X						
3i	X		X	X	X		X	X		X		X						
3j	X		X	X	X		X	X		X		X						
3k	X		X	X	X		X	X		X		X						
3l	X		X	X	X		X	X		X		X						

3m+3m'	X		X	X	X		X	X		X		X						
3n+3n'	X		X	X	X		X	X		X		X						
3o	X		X	X	X		X	X		X		X						
3p	X		X	X	X		X	X		X		X						
3q+3q'	X		X	X	X		X	X		X		X						
3r	X		X	X	X		X	X		X		X						
3s	X		X	X	X		X	X		X		X						
3t	X		X	X	X		X	X		X		X						
3u	X		X	X	X		X	X		X		X						
3w+3w'	X		X	X	X		X	X		X		X						
3x+3x'	X		X	X	X		X	X		X		X						
3y	X		X	X	X		X	X		X		X						
3aa	X		X	X	X		X	X		X		X						
3ab	X		X	X	X		X	X		X		X						
3ac	X		X	X	X		X	X		X		X						
3ae+3ae'	X		X	X	X		X	X		X		X						
3af	X		X	X	X		X	X		X		X						
3ag	X		X	X	X		X	X		X		X						
3ah	X		X	X	X		X	X		X		X						
3ai	X		X	X	X		X	X		X		X						
3aj	X		X	X	X		X	X		X		X						
3ak	X		X	X	X		X	X		X		X						
3al	X		X	X	X		X	X		X		X						
3am	X		X	X	X		X	X		X		X						
3an	X		X	X	X		X	X		X		X						
3ao	X		X	X	X		X	X		X		X					X	
3ap	X		X	X	X		X	X		X		X						

5a		X	X	X			X	X		X		X						
5c	X		X	X	X		X	X		X		X						
5d	X		X	X	X		X	X		X		X						
5e	X		X	X	X		X	X		X		X						
5f	X		X	X	X		X	X		X		X						
5g	X		X	X	X		X	X		X		X						
5h	X		X	X	X		X	X		X		X						
5i	X		X	X	X		X	X		X		X						
5j	X		X	X	X		X	X		X		X						
5k	X		X	X	X		X	X		X		X						
5l	X		X	X	X		X	X		X		X						
5m	X		X	X	X		X	X		X		X						
5n	X		X	X	X		X	X		X		X						
5o	X		X	X	X		X	X		X		X						
5p	X		X	X	X		X	X		X		X						
5q	X		X	X	X		X	X		X		X						
5r	X		X	X	X		X	X		X		X						
5s	X		X	X	X		X	X		X		X						
5t	X		X	X	X		X	X		X		X						
5u	X		X	X	X		X	X		X		X						
5v	X		X	X	X		X	X		X		X						
5w	X		X	X	X		X	X		X		X						
5x	X		X	X	X		X	X		X		X						
5y	X		X	X	X		X	X		X		X						
5z	X		X	X	X		X	X		X		X						
5aa	X		X	X	X		X	X		X		X						
5ab	X		X	X	X		X	X		X		X						
5ac	X		X	X	X		X	X		X		X						

