

Supporting Information

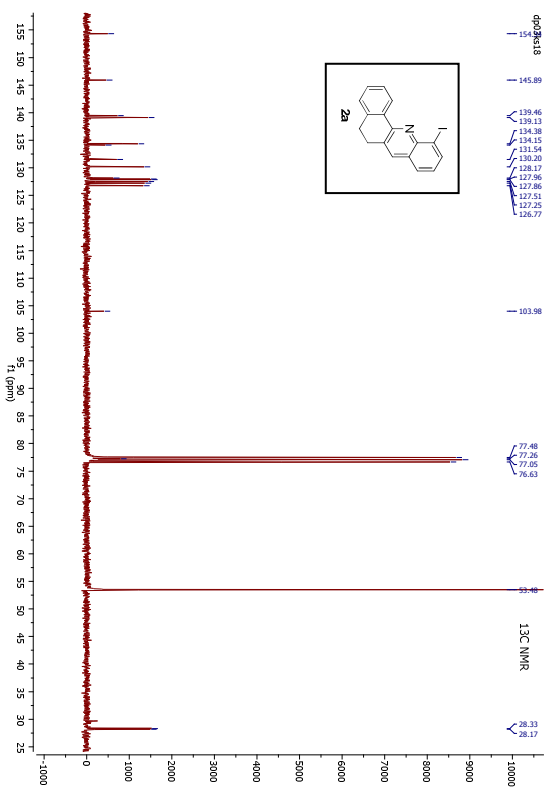
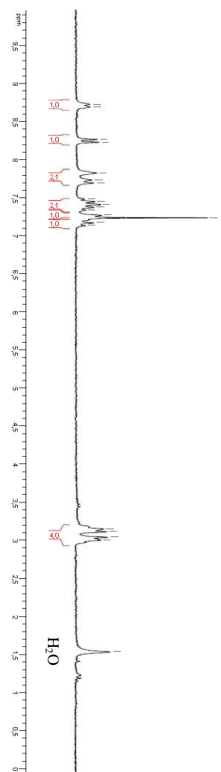
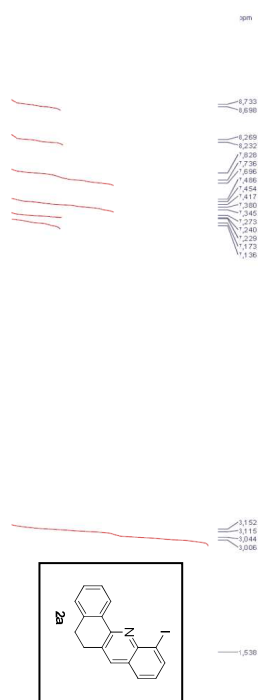
DOI:

Title: Divergent strategy in the synthesis of original dihydrobenzo- and dihydronaphtho-acridines

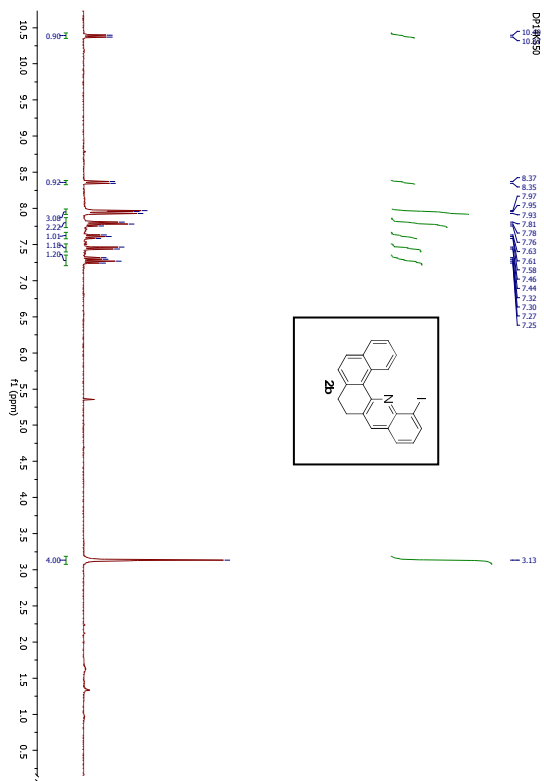
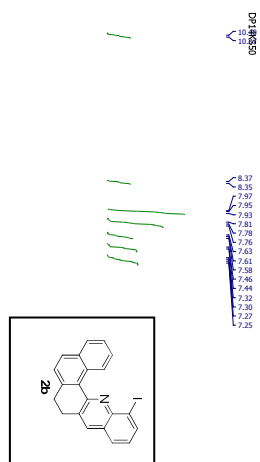
Author(s): K. Solmont,^a H. Boufroua,^a A. Souibgui,^{a,b} P. Fornarelli,^c Anne Gaucher,^{a*} F. Mahuteau-Betzer,^c B. Ben Hassine,^b D. Prim^{a*}

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¹H NMR and ¹³C NMR of 11-iodo-5,6-dihydrobenzo[*c*]acridine 2a:

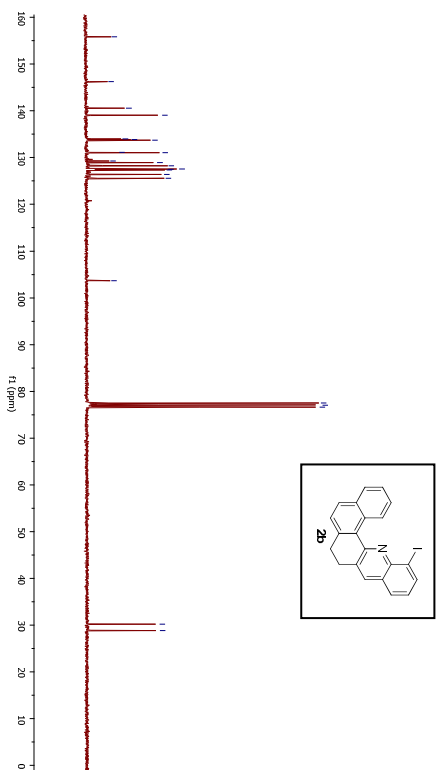


¹H NMR and ¹³C NMR of 13-iodo-7,8-dihydronaphtho[2,1-c]acridine 2b:

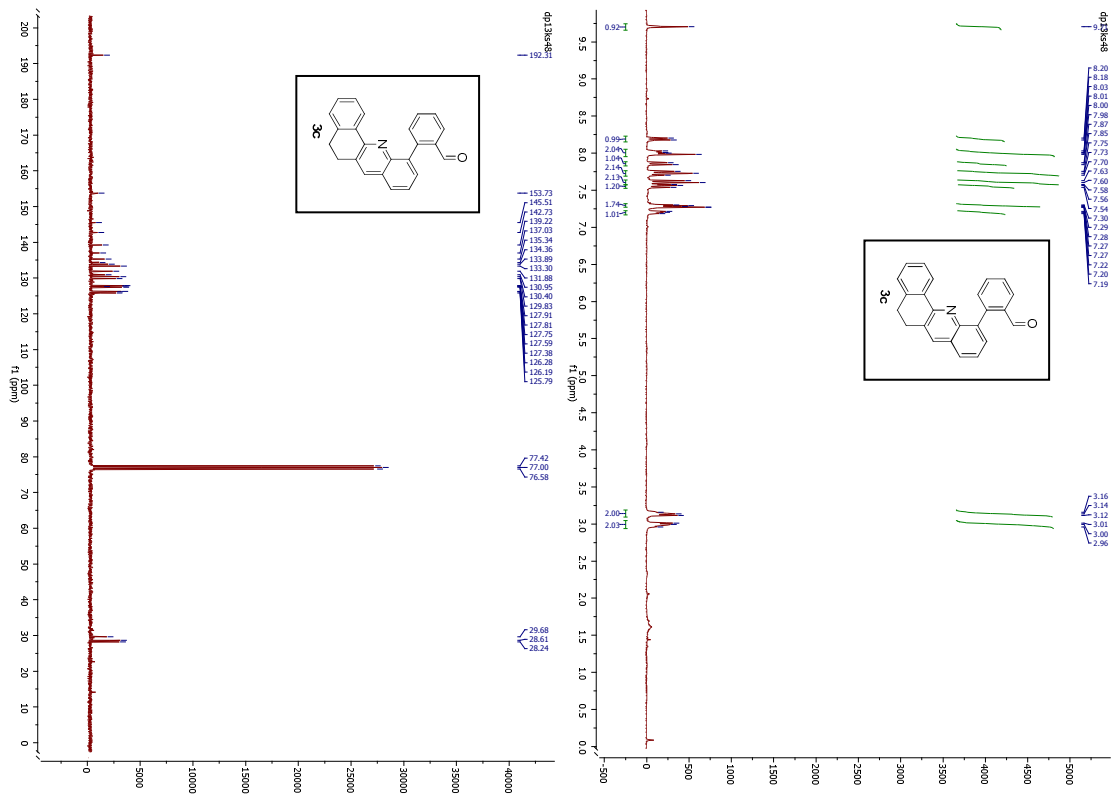


Chemical shift list (ppm):

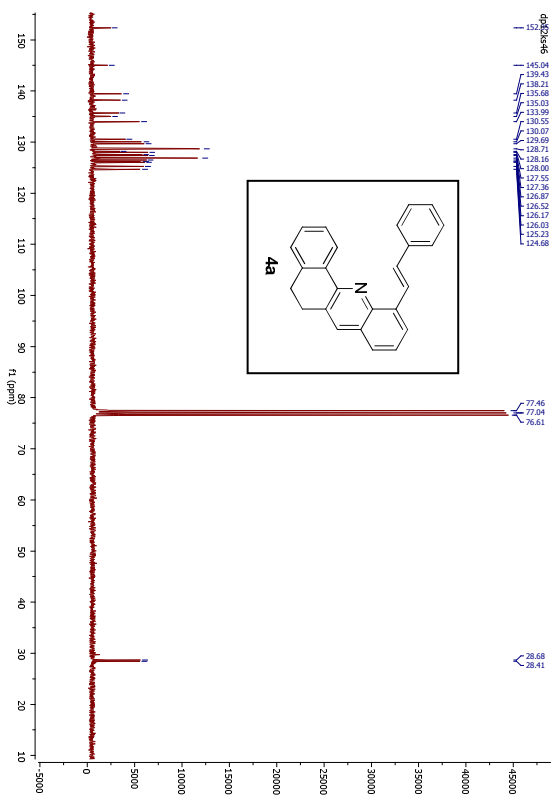
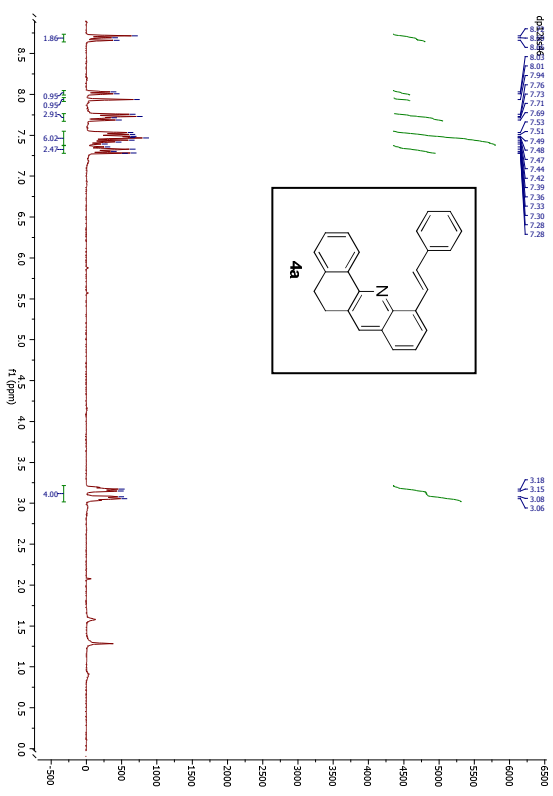
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- 146.2386
- 140.5794
- 139.4015
- 134.0073
- 133.9611
- 133.7099
- 131.1166
- 131.0622
- 129.2902
- 128.9390
- 128.2673
- 127.5592
- 127.4675
- 127.3664
- 126.4070
- 125.5451
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- 77.4981
- 77.0765
- 76.8509
- 30.1910
- 29.8747



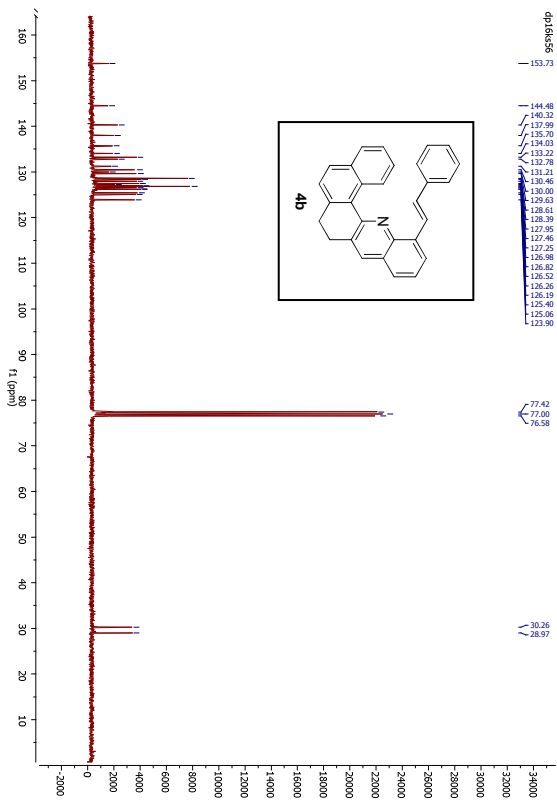
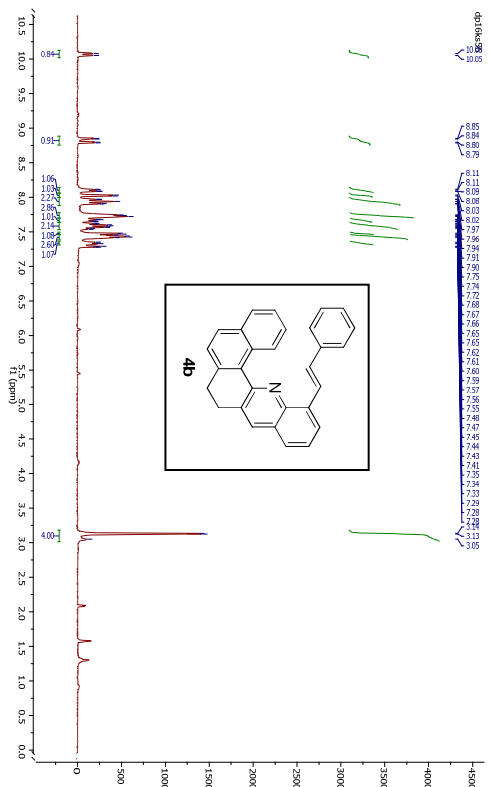
¹H NMR and ¹³C NMR of 2-(5,6-Dihydrobenzo[c]acridin-11-yl)benzaldehyde 3c:



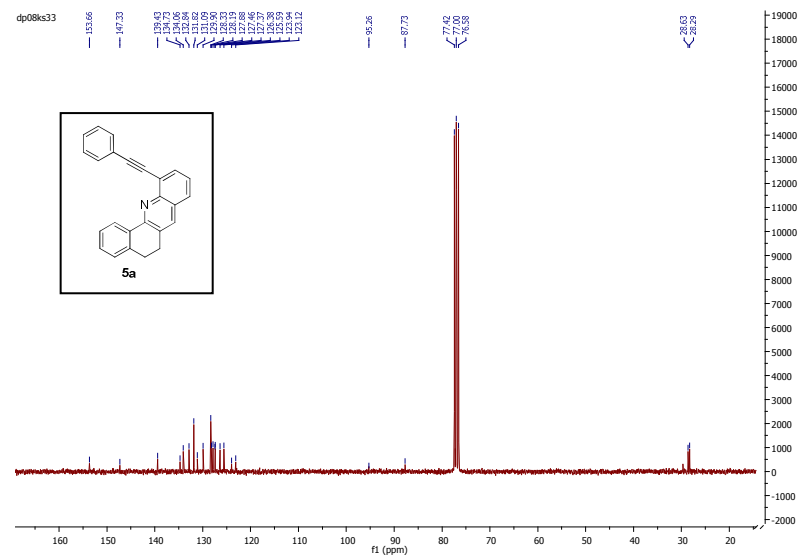
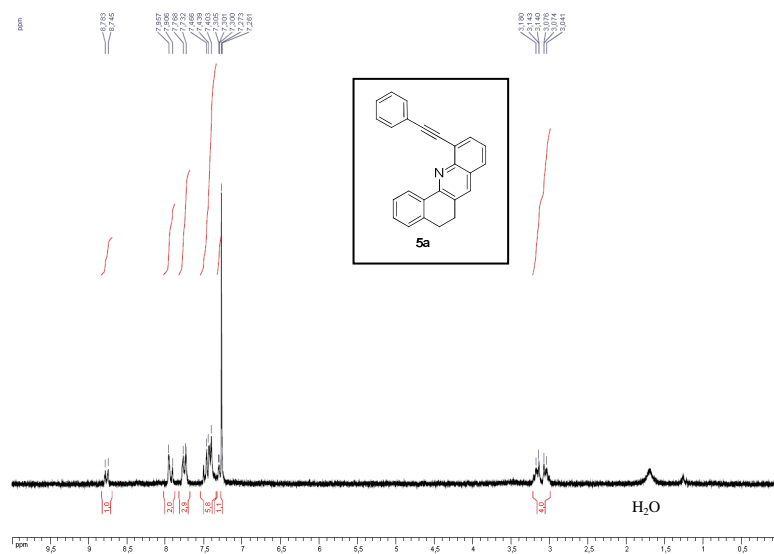
¹H NMR and ¹³C NMR of (*E*)-11-styryl-5,6-dihydrobenzo[*c*]acridine 4a:



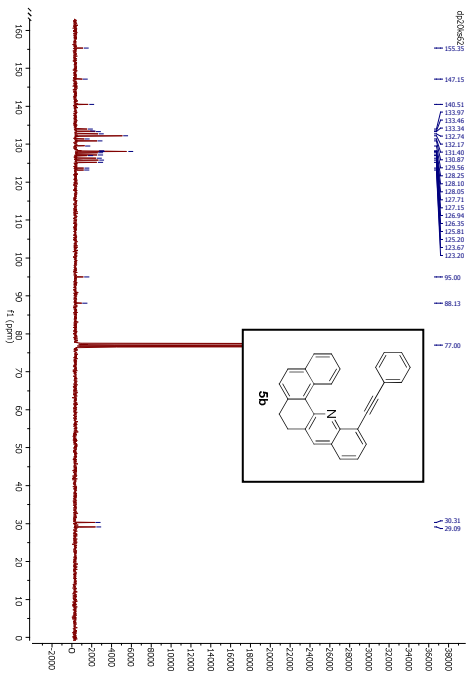
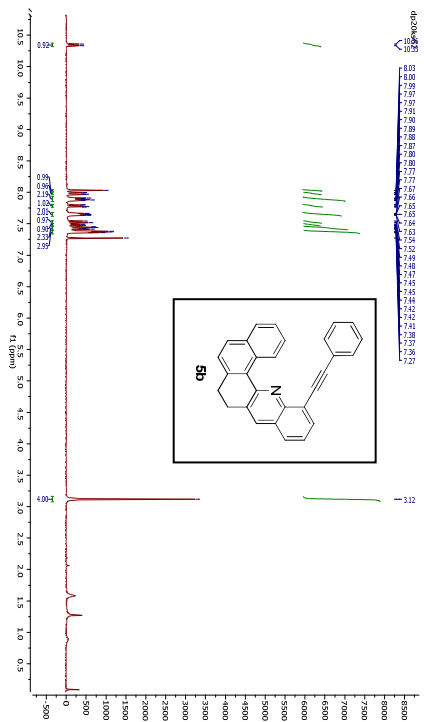
¹H NMR and ¹³C NMR of (*E*)-13-styryl-7,8-dihydro-naphtho[2,1-*c*]acridine 4b:



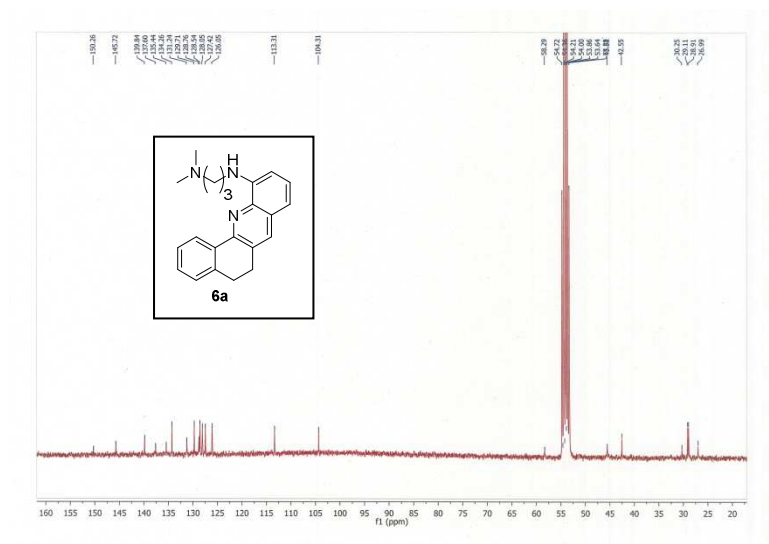
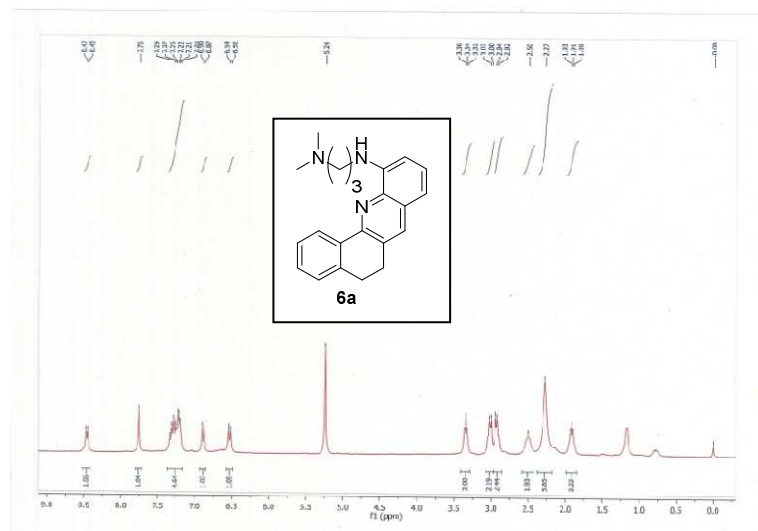
¹H NMR and ¹³C NMR of 11-(phenylethynyl)-5,6-dihydrobenzo[c]acridine 5a:



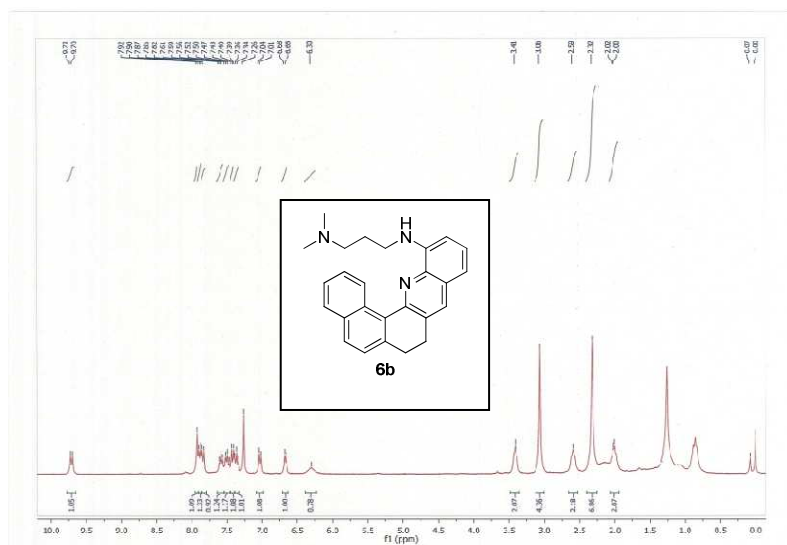
¹H NMR and ¹³C NMR of 13-(Phenylethynyl)-7,8-dihydroacridine[2,1-c]acridine 5b:



^1H NMR and ^{13}C NMR of N^1 -(5,6-dihydrobenzo[*c*]acridin-11-*y*)- N^3,N^3 -dimethylpropane-1,3-diamine **6a:**

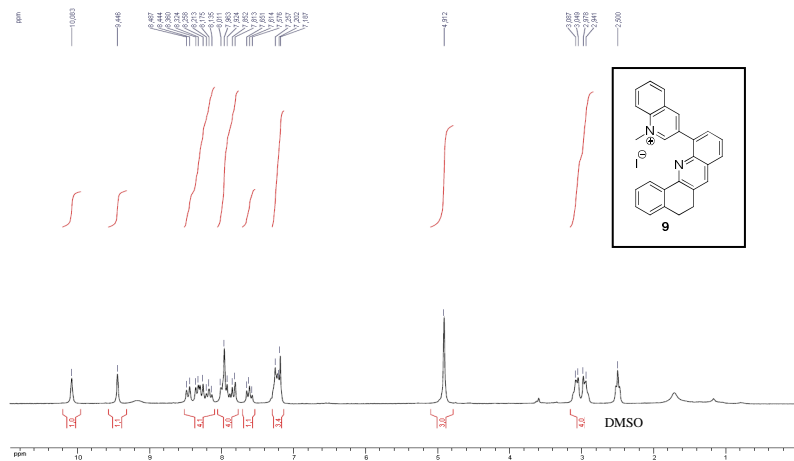


^1H NMR of N^1 -(7,8-dihydro[2,1,c]acridin-13-yl)- N^3,N^3 -dimethylpropane-1,3-diamine **6b:**



Product **6b** was obtained only as traces and thus was not isolated and fully characterized.

¹H NMR and ¹³C NMR of 11 of 3-(5,6-dihydrobenzo[c]acridin-11-yl)-1-methylquinolin-1-ium 9:



Typical MW profile

Anton Paar GmbH
Anton-Paar-Straße 20
8054 Graz
Austria



Anton Paar Monowave

Serial Number: 80869474
User Interface Firmware Version: 2.20.4621.7

Experiment Date: Wednesday, March 12, 2014 11:21 AM

Experiment Settings

Method

Step	Program	Temperature °C	Time mm:ss	Power W	Cooling	Stirrer Speed rpm
1	Heat as fast as possible	180	-	850	Off	800
2	Hold	-	15:00	850	Off	800
3	Cool down	55	0:00	-	On	800

Experiment Result

Result: OK

Temperature Control: IR

Date of last IR sensor adjustment: Tuesday, April 10, 2012 12:11 PM

User name of last IR sensor adjustment: Administrator

Vial Type: Glass vial G10

Note: Recommended IR sensor adjustment interval of 365 days has expired!

