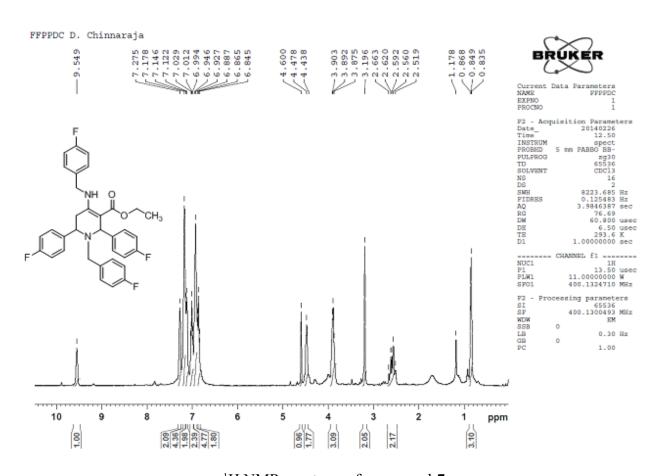
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Atom and Step Economic Multicomponent Synthesis of Highly Functionalized Novel N-alkyl Piperidines: Structural Elucidation through Spectral Studies and Single Crystallographic analysis

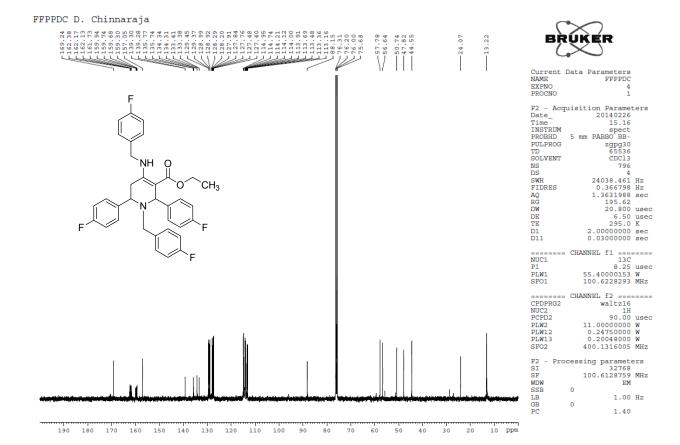
Duraisamy Chinnaraja, Ramarajan Rajalakshmi\*

Department of Chemistry, Annamalai University, Annamalainagar-608 002. Tamilnadu, India.

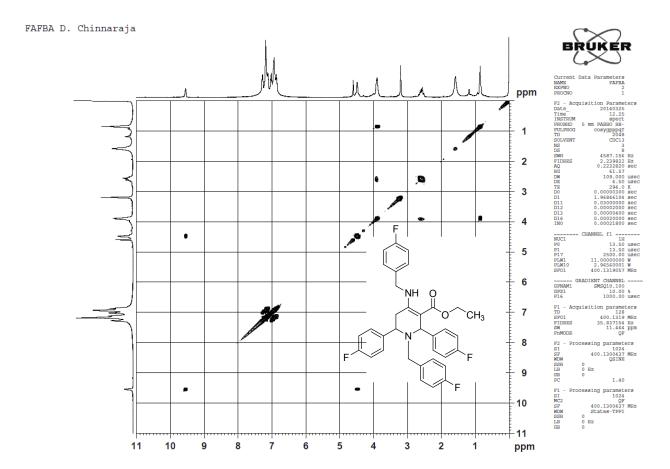
Supplementary data ( ¹H NMR, ¹³C NMR, ¹H-¹H COSY, ¹H-¹³C COSY, DEPT and HR-Mass spectra (**S1-S6**) the synthesized compound **7** 



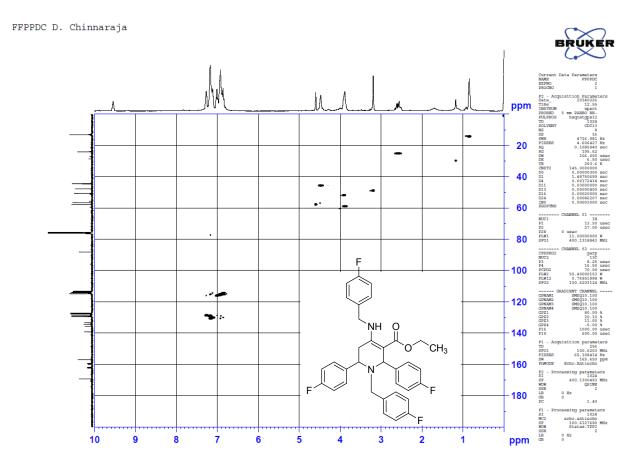
<sup>1</sup>H NMR spectrum of compound-7



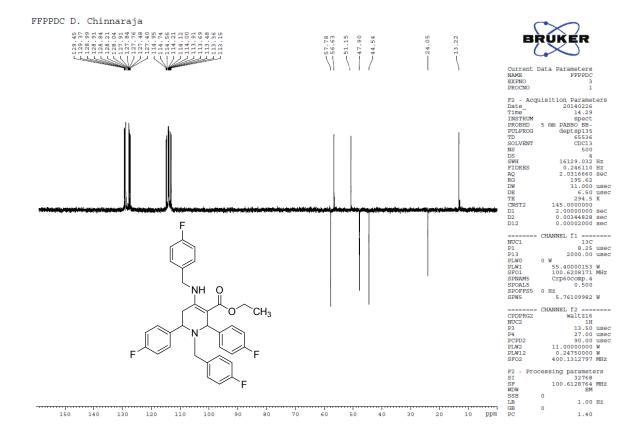
<sup>13</sup>C NMR spectrum of compound-7



<sup>1</sup>H-<sup>1</sup>H COSY spectrum of compound-7



<sup>1</sup>H-<sup>13</sup>C COSY spectrum of compound-7



**DEPT spectrum compound-7** 

## BRUKER MAXIS HRMS REPORT

## School of Chemistry University of Hyderabad

**Analysis Info Acquisition Date** 12/19/2013 12:00:25 PM D:\Data\2013\Dr.NAGARAJAN\DEC\TFACLF-R.d Analysis Name Method tune\_low\_Pos-R2.m Operator Ramu Sridhar TFACLF-CHCL3-ACN Sample Name Instrument maXis 10138 Comment **Acquisition Parameter** Source Type Ion Polarity Set Capillary Set End Plate Offset Positive 3800 V -500 V Set Nebulizer 4.4 psi 180 °C 4.0 l/min Focus Not active Set Dry Heater Set Dry Gas Set Divert Valve Scan Begin Scan End 50 m/z 2580 m/z Set Collision Cell RF 350.0 Vpp Waste Intens. x10<sup>4</sup> +MS, 0.9min #55 2.0-1.5 1.0 0.5 575.2322 500 550 600 650 700 750

Bruker Compass DataAnalysis 4.0

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