Supporting Information

Author: Ranganathan *et.al*

Title: Cystine-based.....

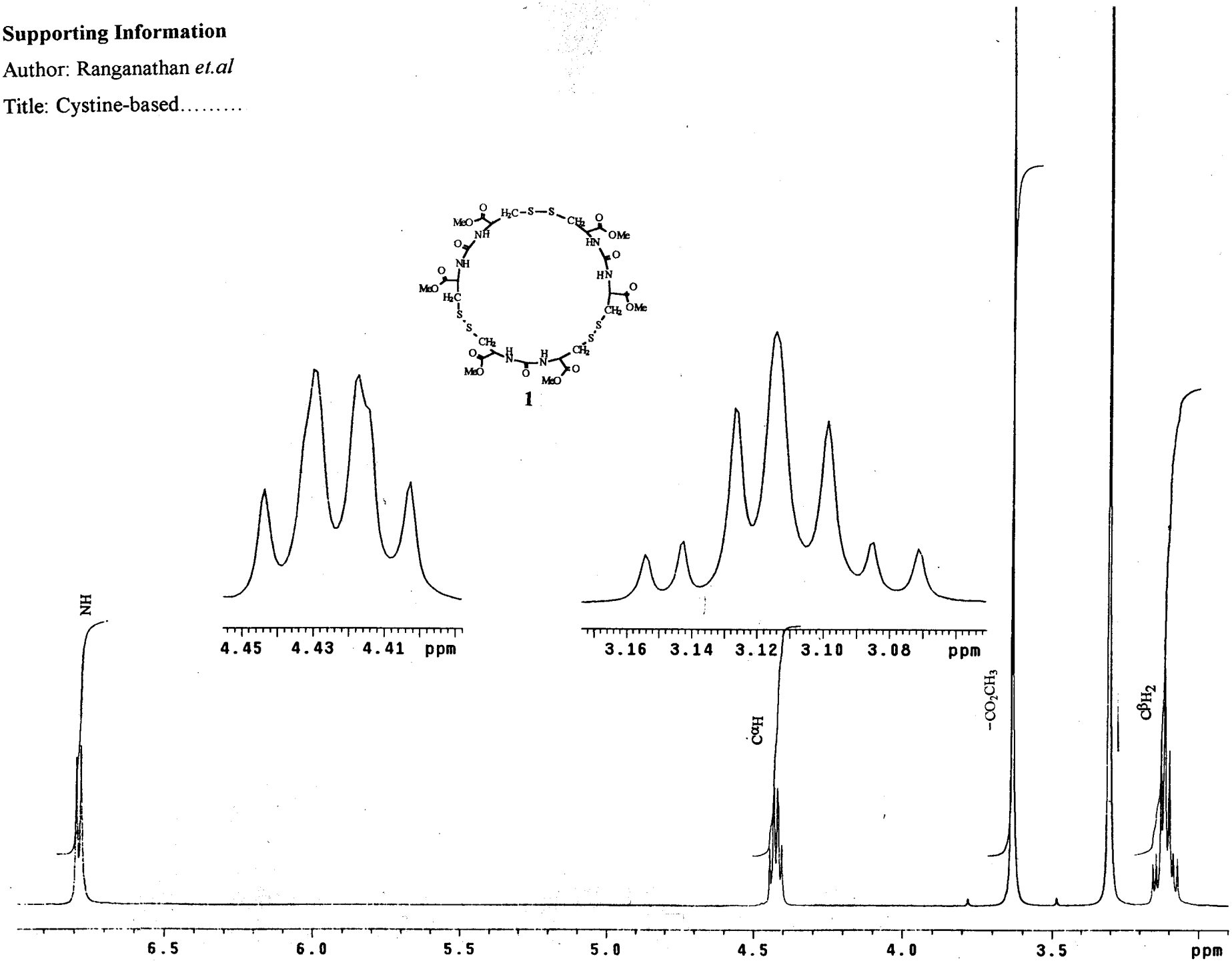

Fig. 1S: ^{1}H NMR (500 MHz, DMSO-d_6) of cyclo (Cyst-urea)$_3$ (1)

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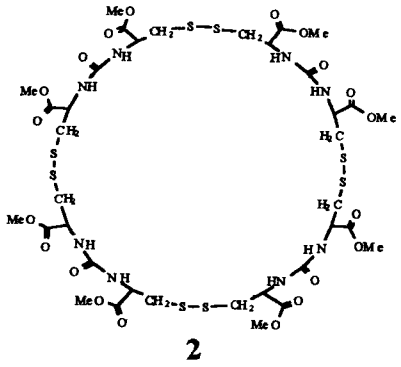

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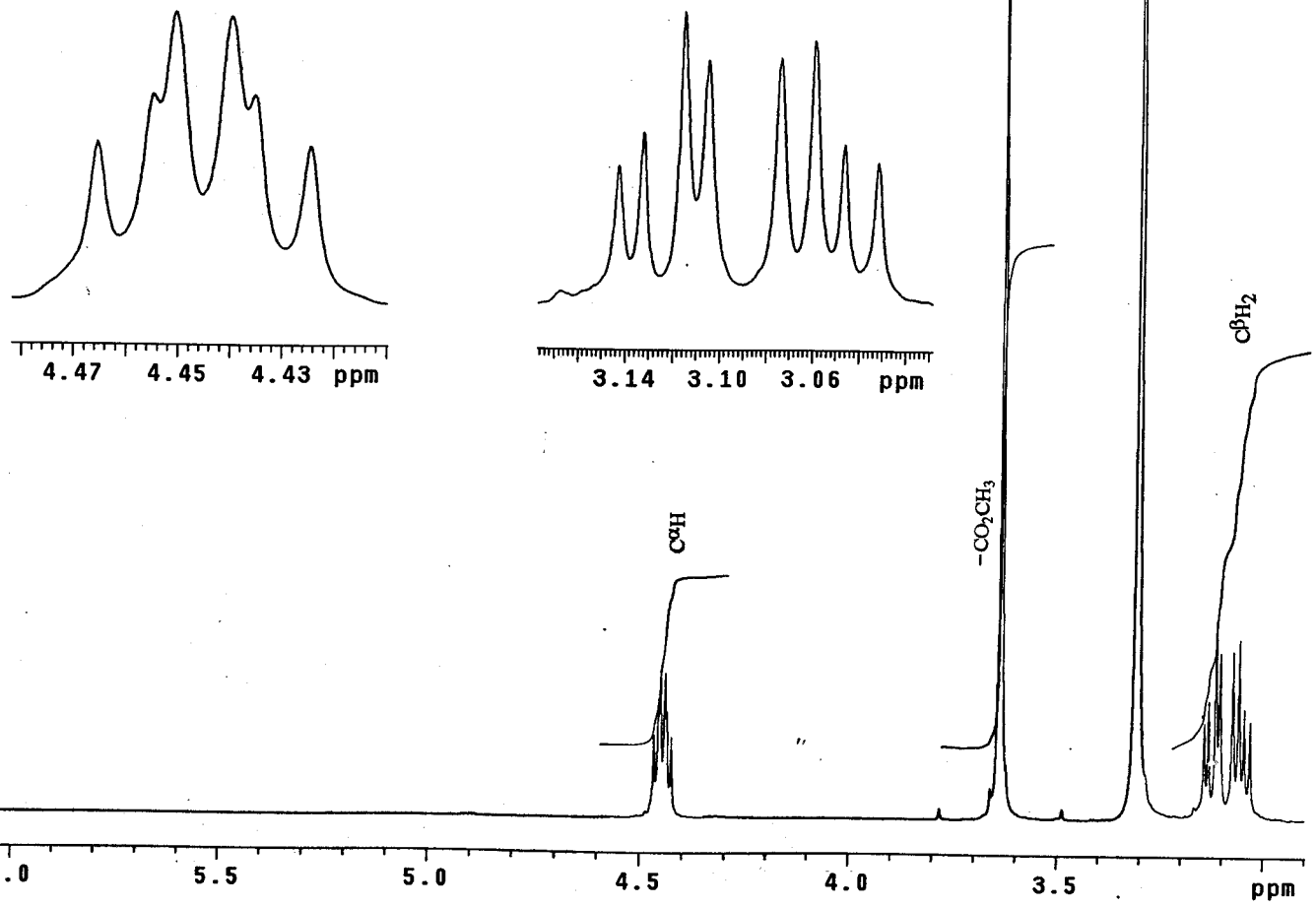

Fig. 2S: ^{1}H NMR (500 MHz, DMSO-d_6) of cyclo (Cyst-urea)$_4$ (2)

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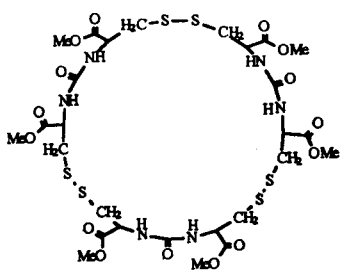

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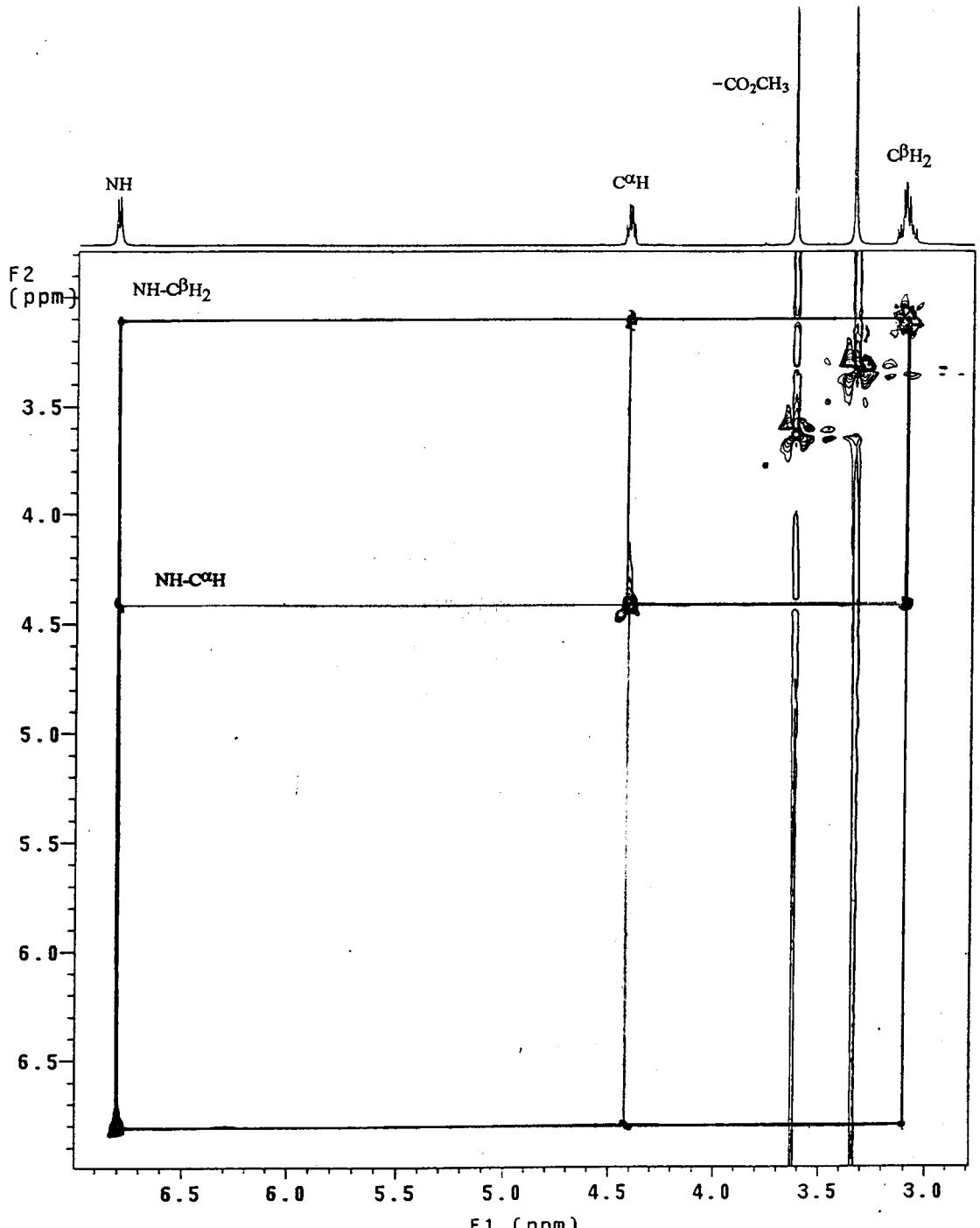

Fig. 3S: **ROESY NMR** (500 MHz, DMSO-d_6) of cyclo (Cyst-urea)$_3$ **(1)**

Supporting Information

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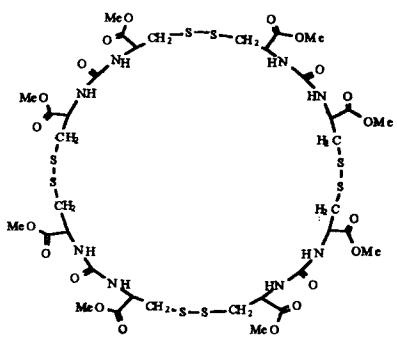

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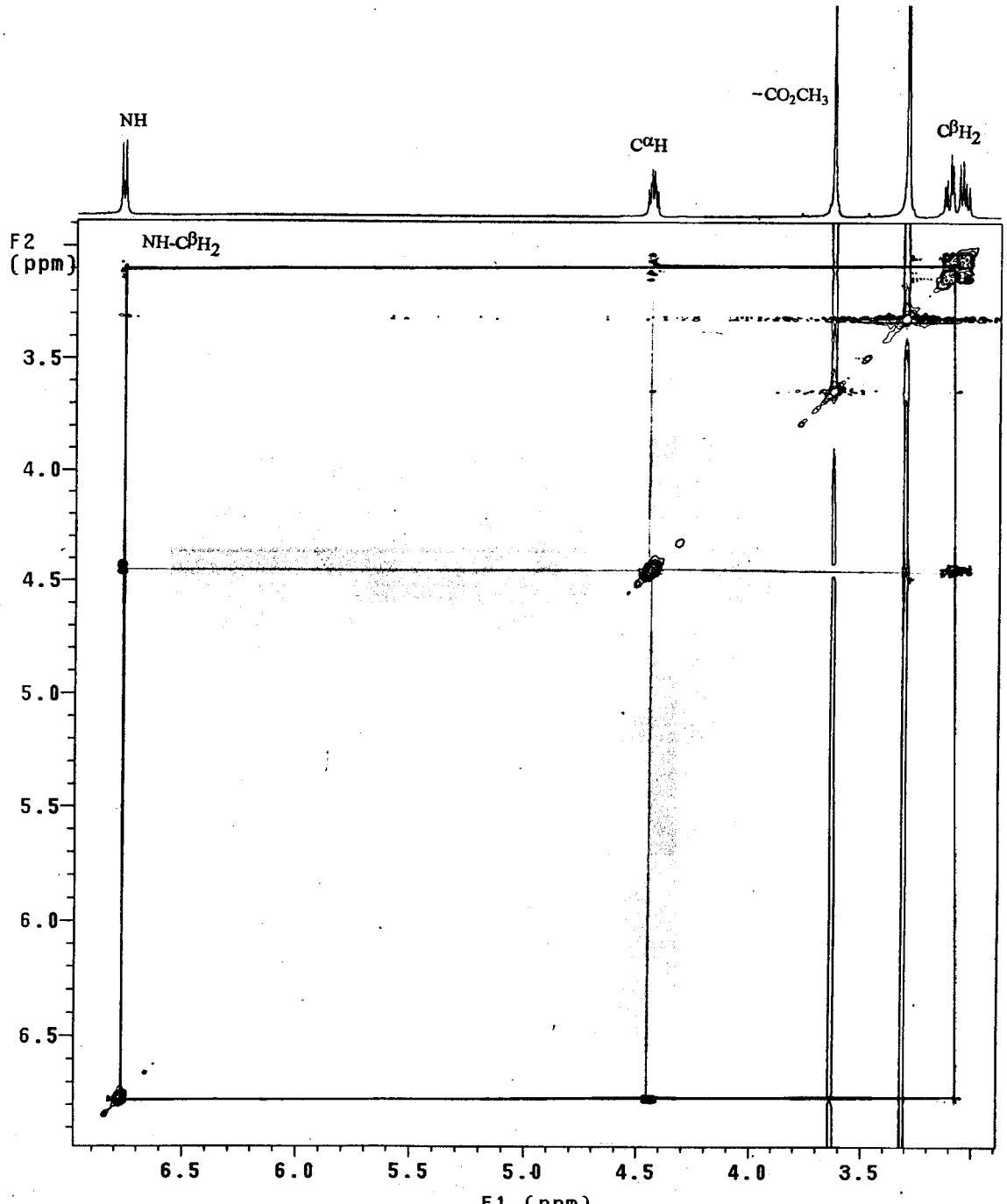

Fig. 4S: ROESY NMR (500 MHz, DMSO-d_6) of cyclo (Cyst-urea)$_4$ (**2**)

Supporting Information

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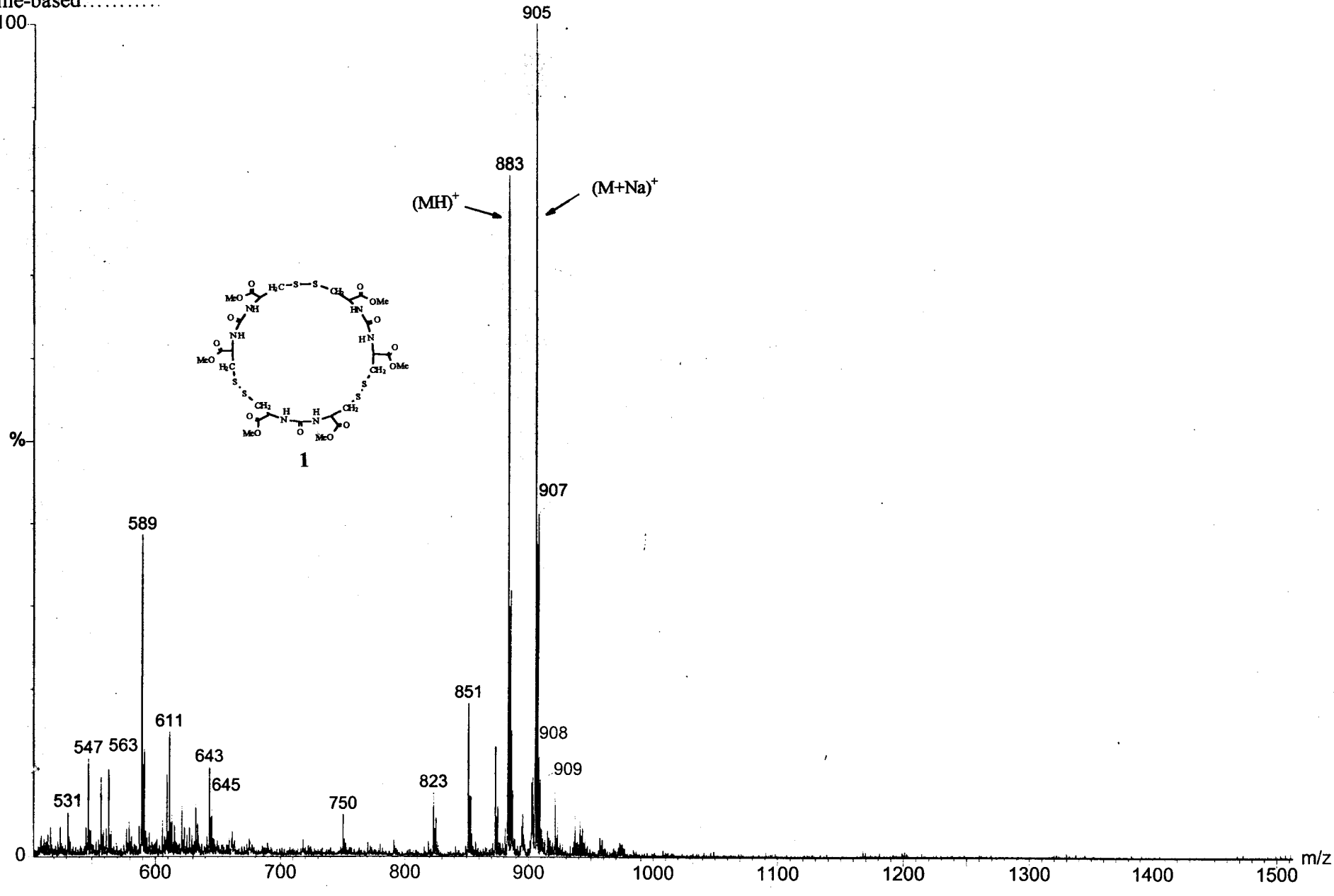
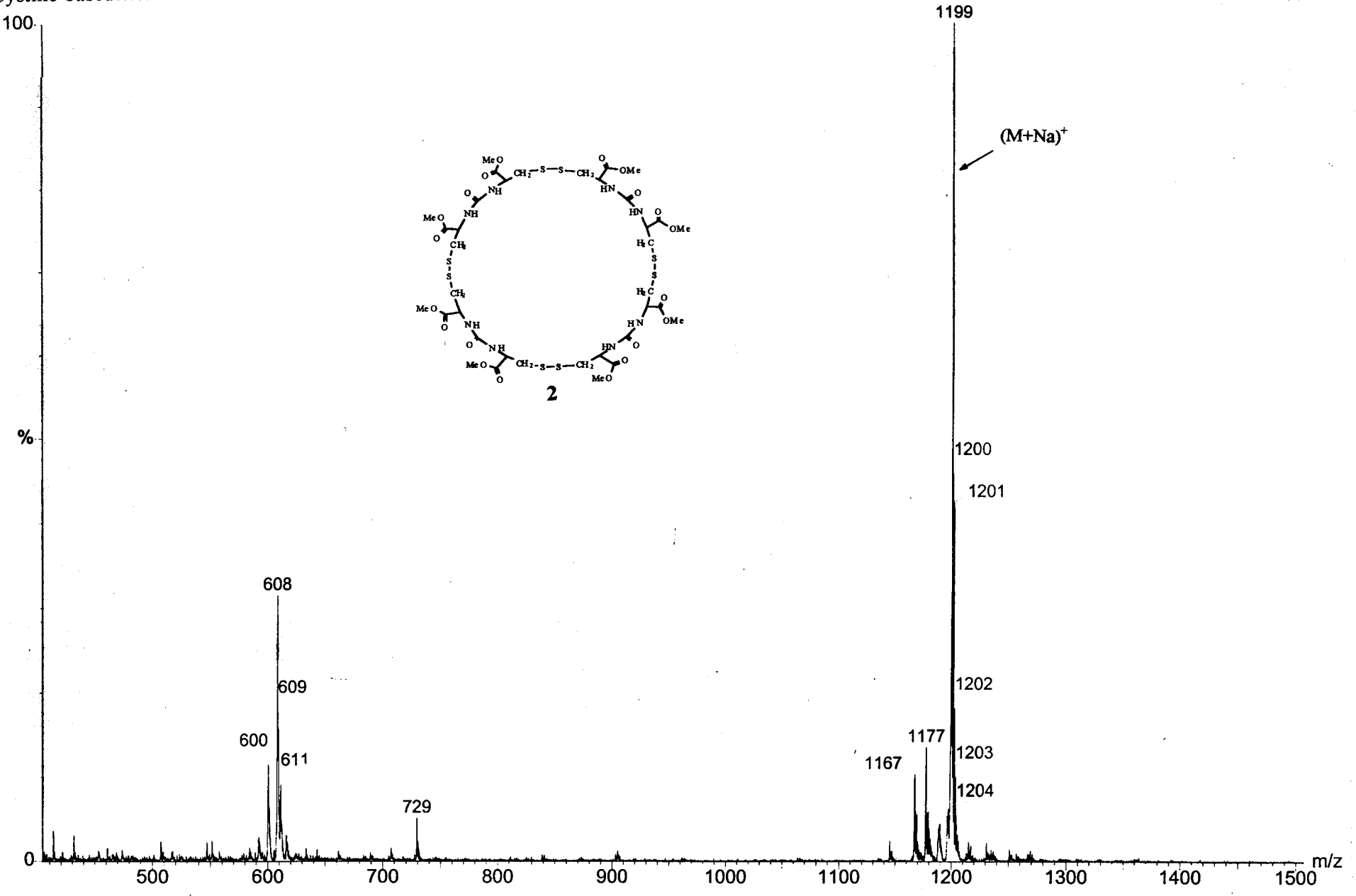


1

Fig. 5S: ES-MS of cyclo (Cyst-urea)$_3$ **(1)**



2

Fig. 6S: ES-MS of cyclo (Cyst-urea)$_4$ (**2**)

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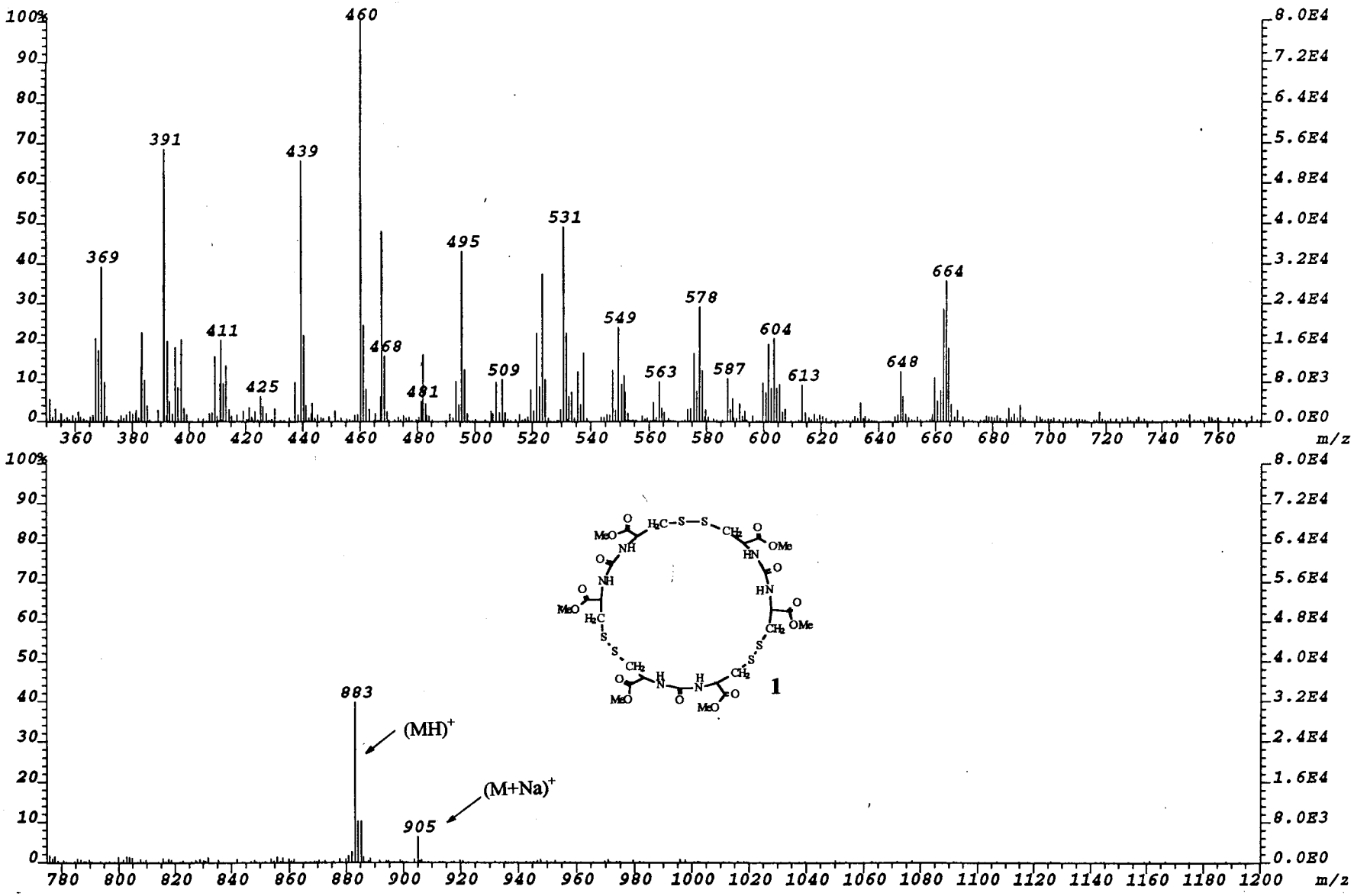

Fig. 7S: FAB-MS of cyclo (Cyst-urea)$_3$ (1)

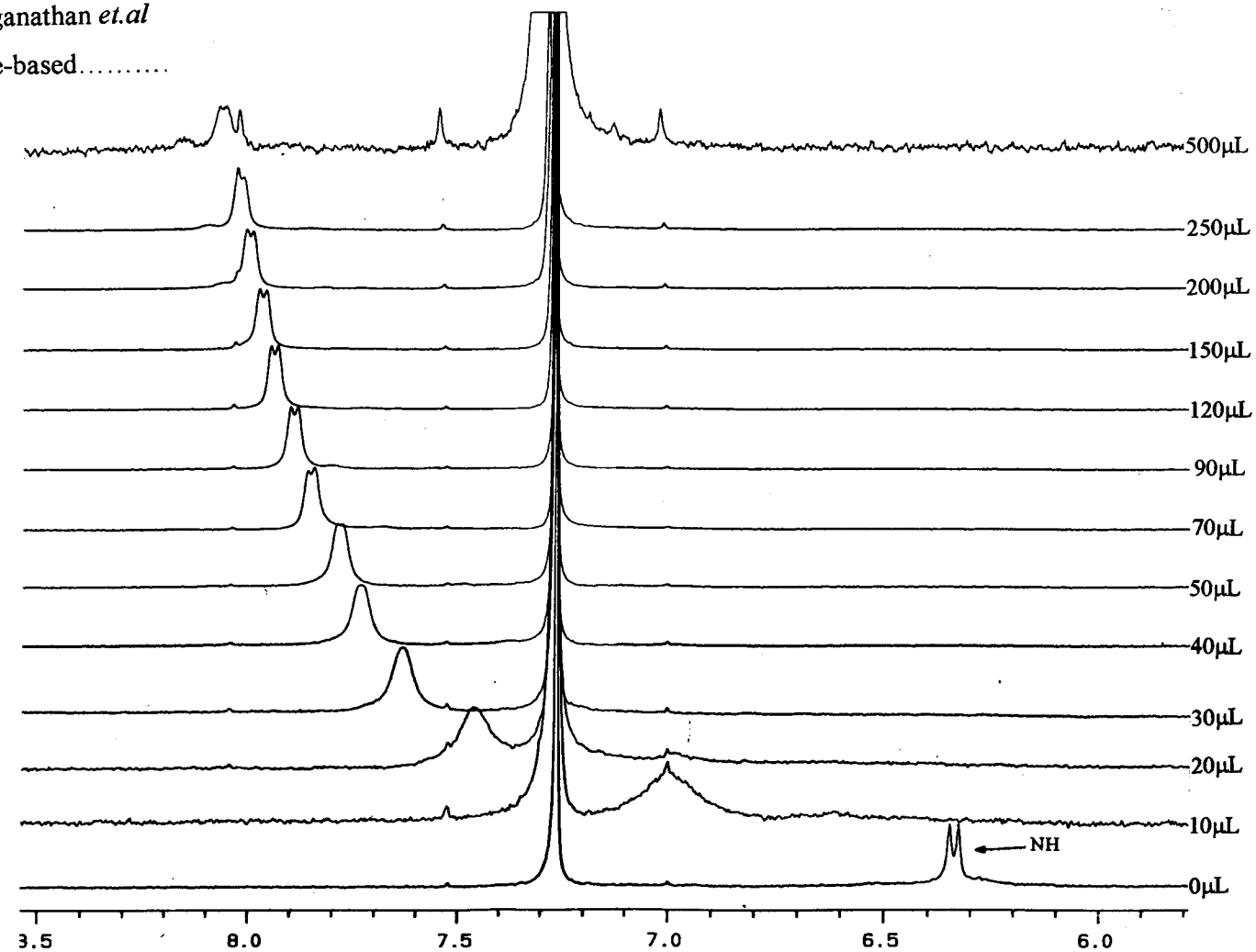

Fig. 8S: NMR titration of of cyclo (Cyst-urea)$_4$ (2) with squarate TBA salt.

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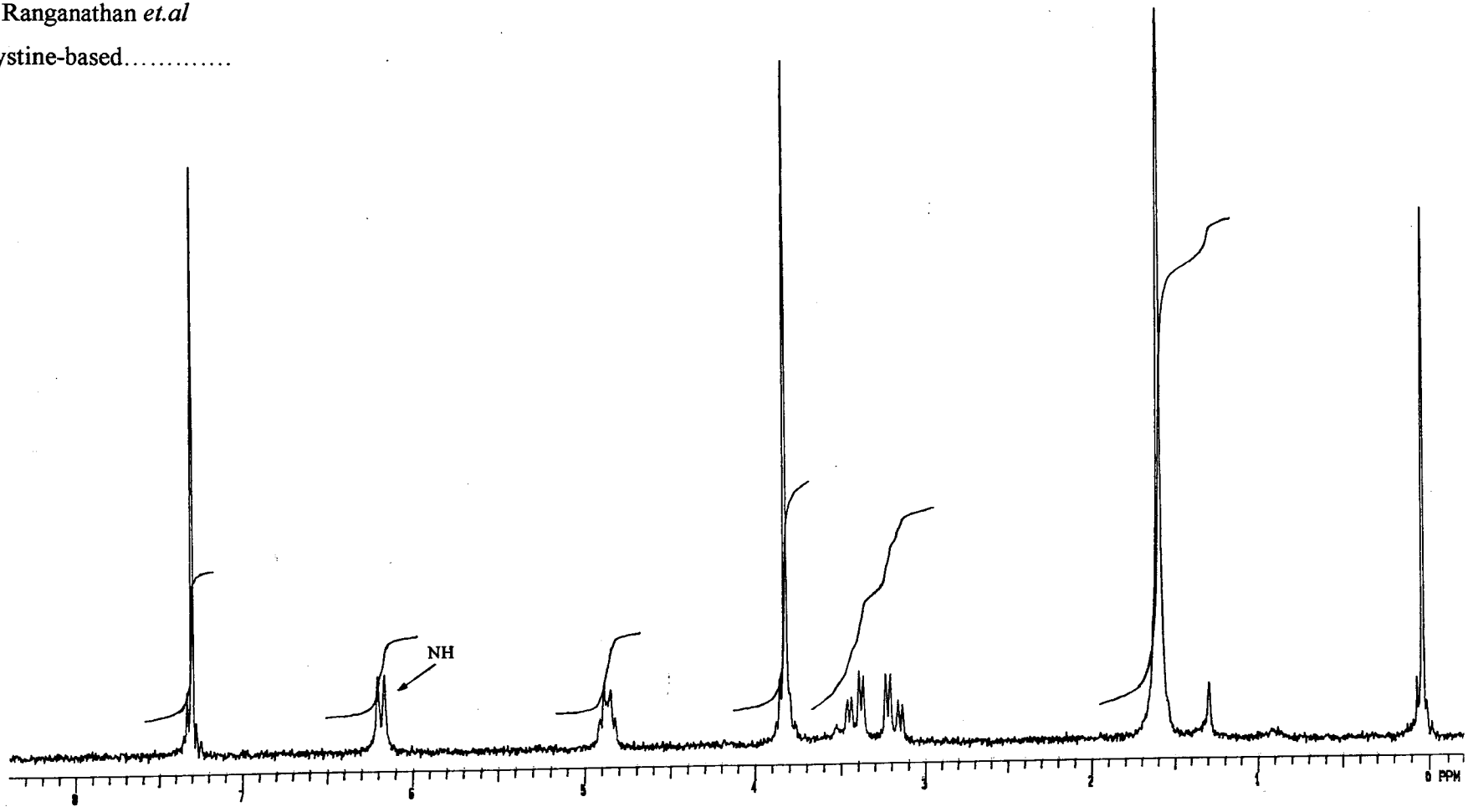

Fig. 9S ^{1}H NMR (200 MHz, $CDCl_3$) of cyclo(Cyst-urea)$_3$ (**1**) alone.

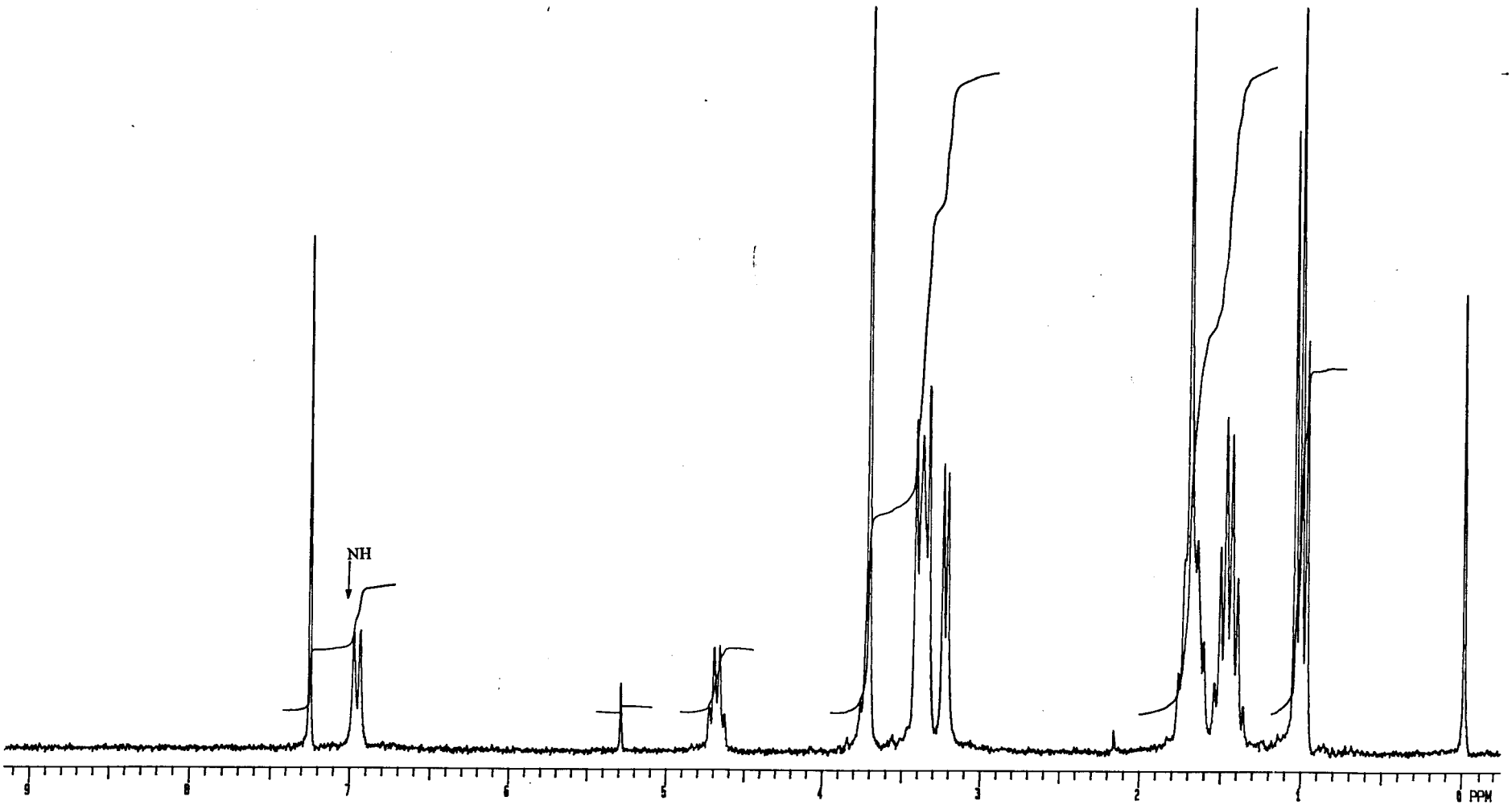

Fig. 10S: ^{1}H NMR (200 MHz, $CDCl_3$) of cyclo (Cyst-urea)$_3$ (**1**) and chloride TBA salt in 1:1 molar ratio.

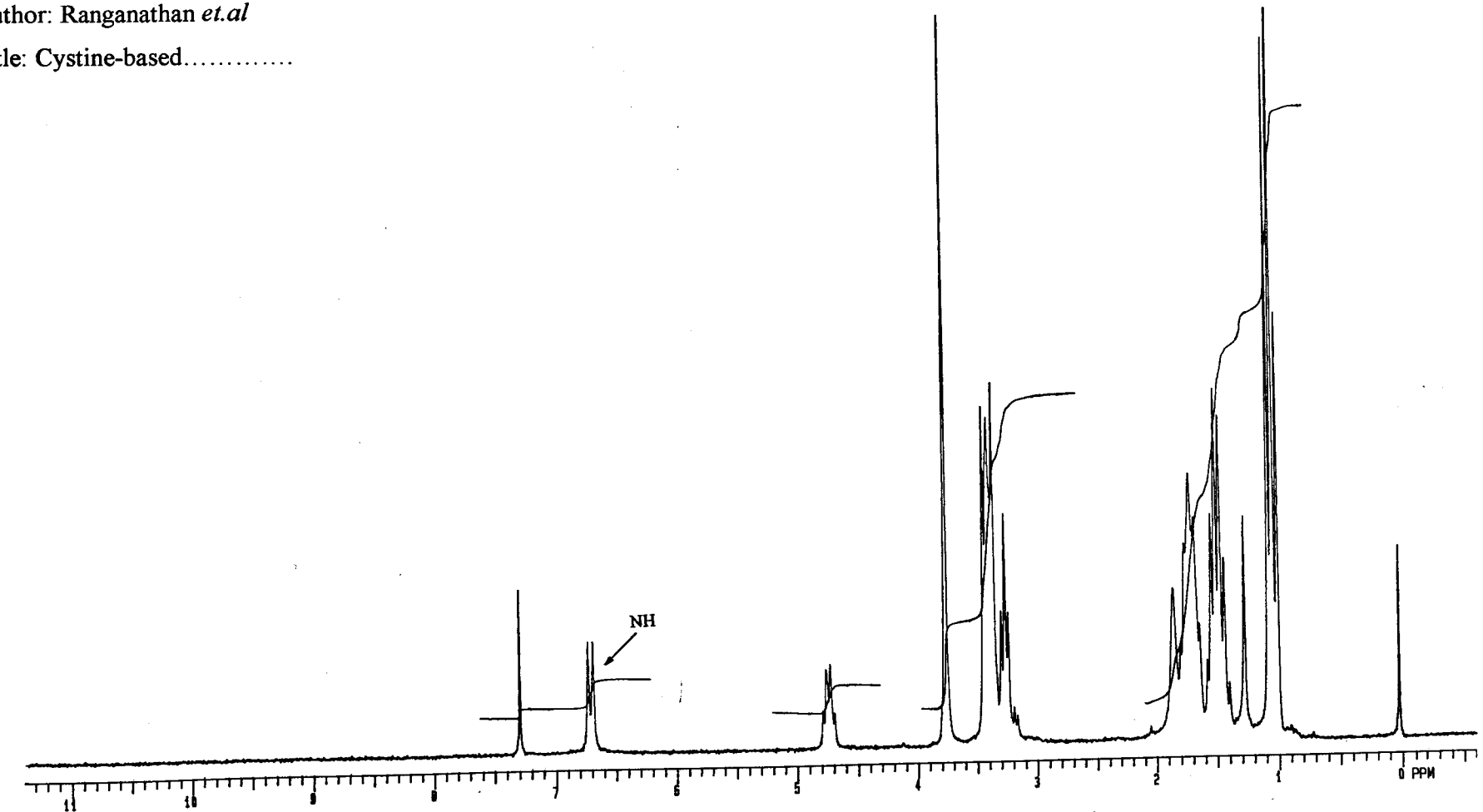

Fig. 11S: ^{1}H NMR (200 MHz, $CDCl_3$) of cyclo (Cyst-urea)$_3$ (**1**) and bromide TBA salt in 1:1 molar ratio.

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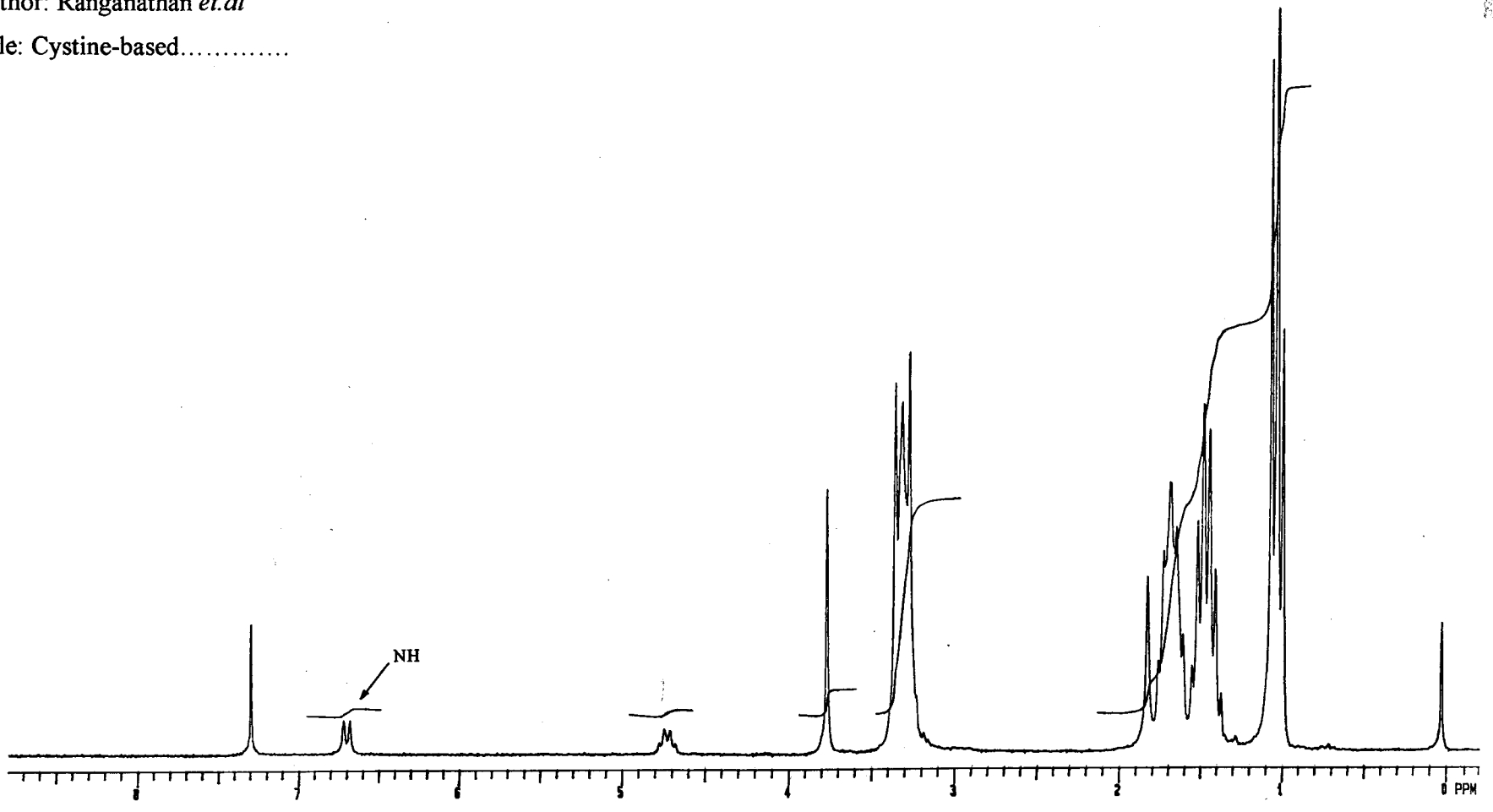

Fig. 12S: ^{1}H NMR (200 MHz, $CDCl_3$) of cyclo (Cyst-urea)$_3$ (**1**) and nitrate TBA salt in 1:1 molar ratio.

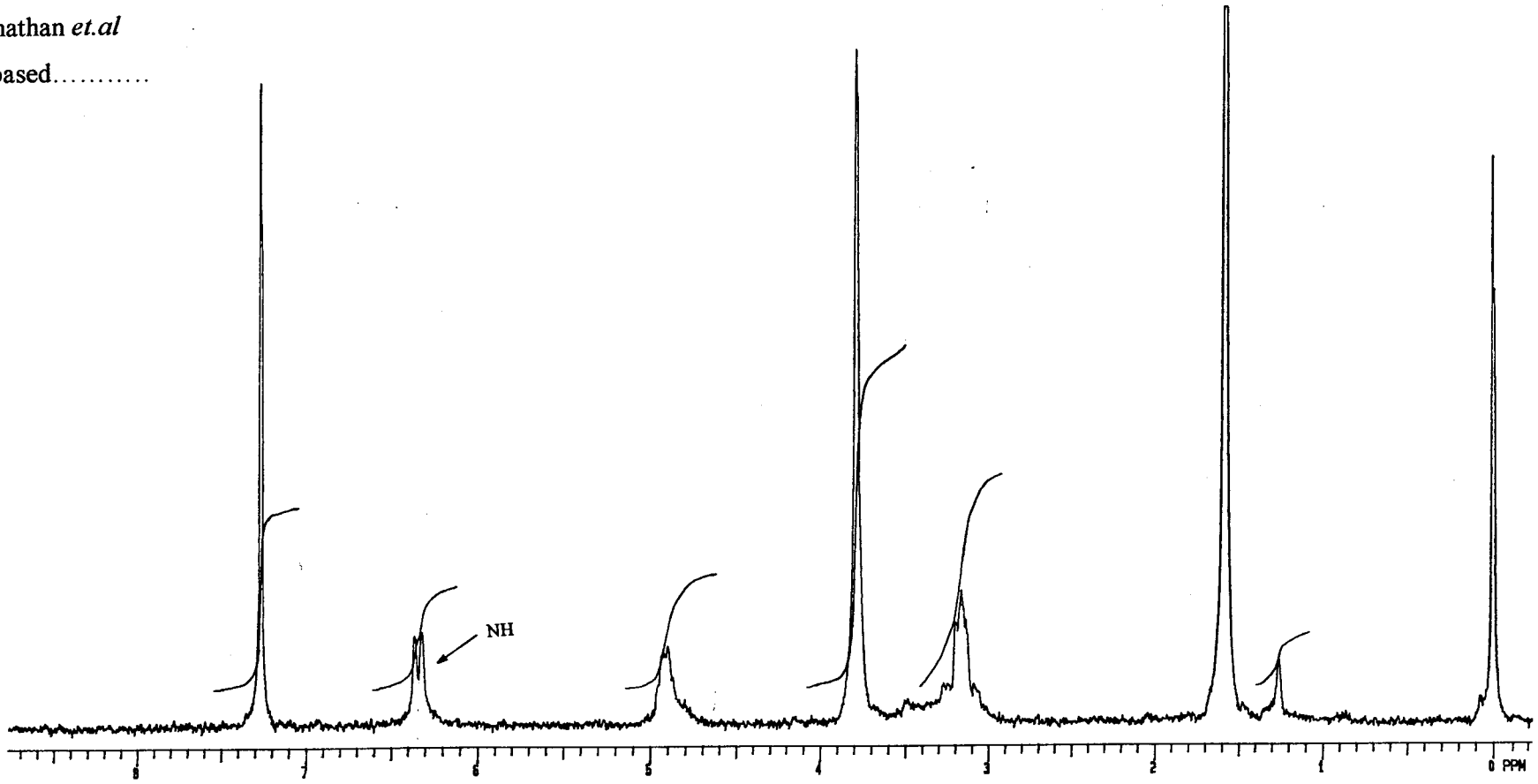

Fig. 13S: ^{1}H NMR (200 MHz, $CDCl_3$) of cyclo (Cyst-urea)$_4$ (**2**) alone.

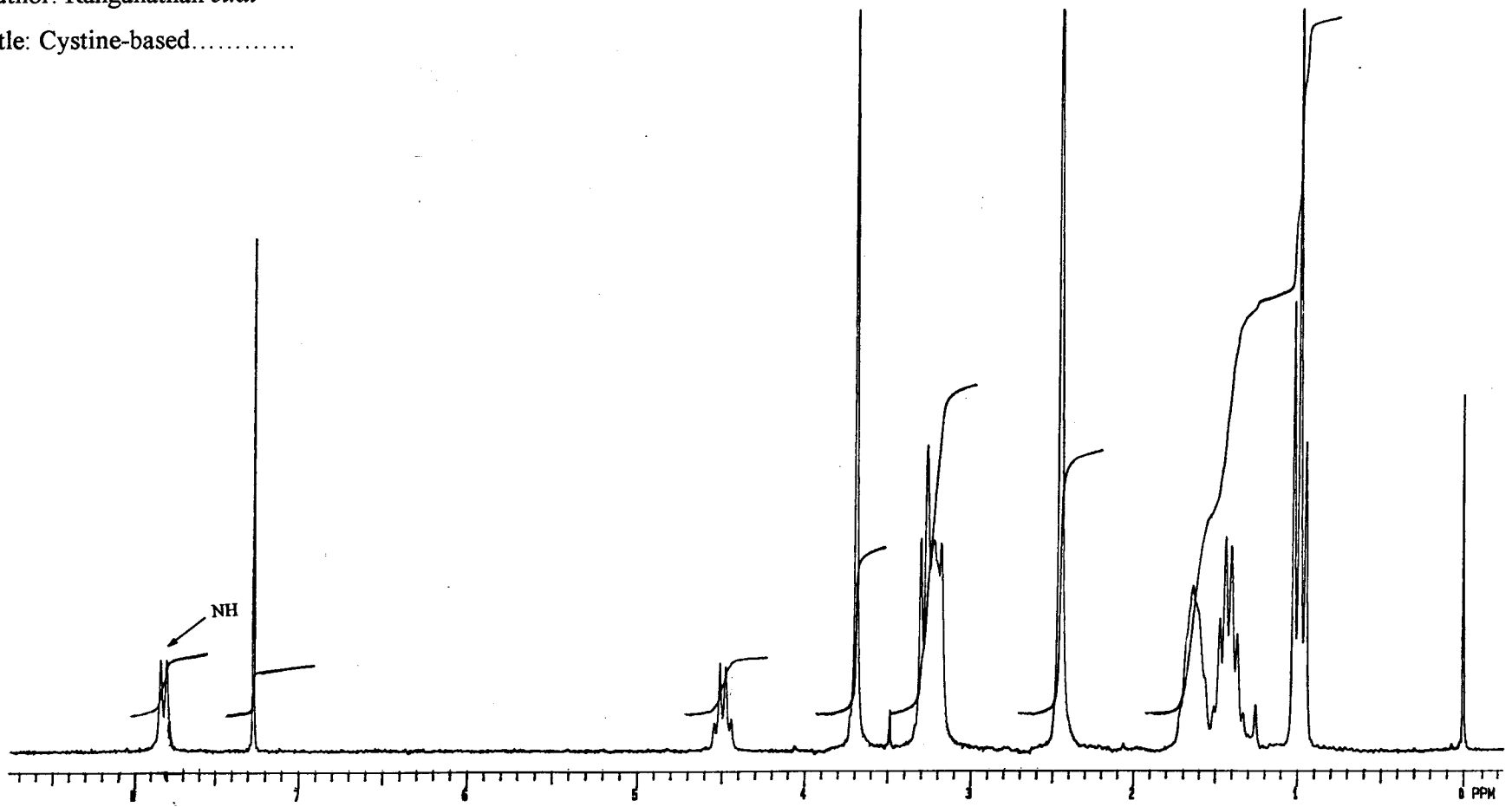

Fig. 14S: ^{1}H NMR (200 MHz, $CDCl_3$) of cyclo (Cyst-urea)$_4$ (**2**) and squarate TBA salt in 1:1 molar ratio.