

# Supporting Information

## SYNTHESIS OF 1-METHOXY-1*H*-INDOLES WITH A HETEROCYCLIC MOIETY VIA UNSTABLE INDOLE ISOTHIOCYANATE BY USING ENZYME FROM *BRASSICACEAE* PLANT

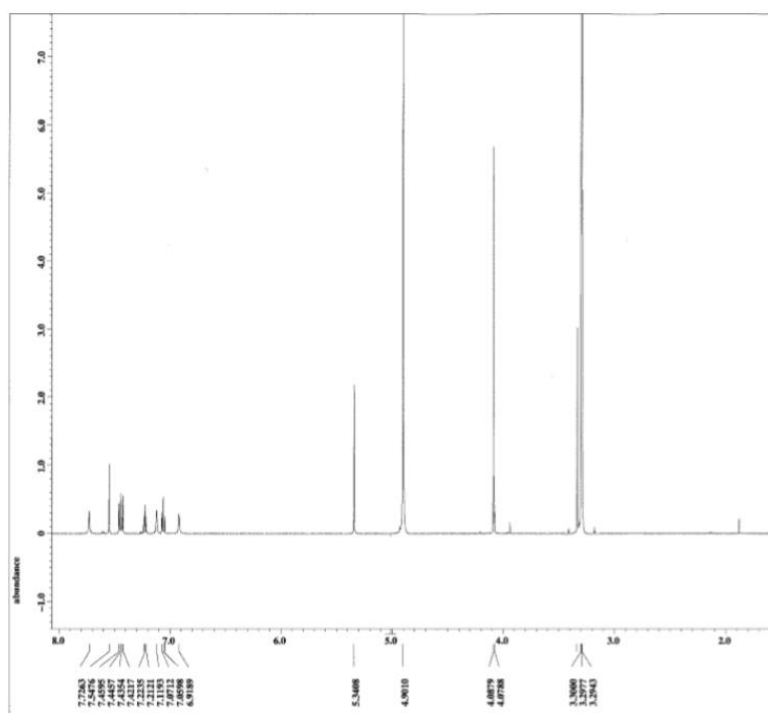
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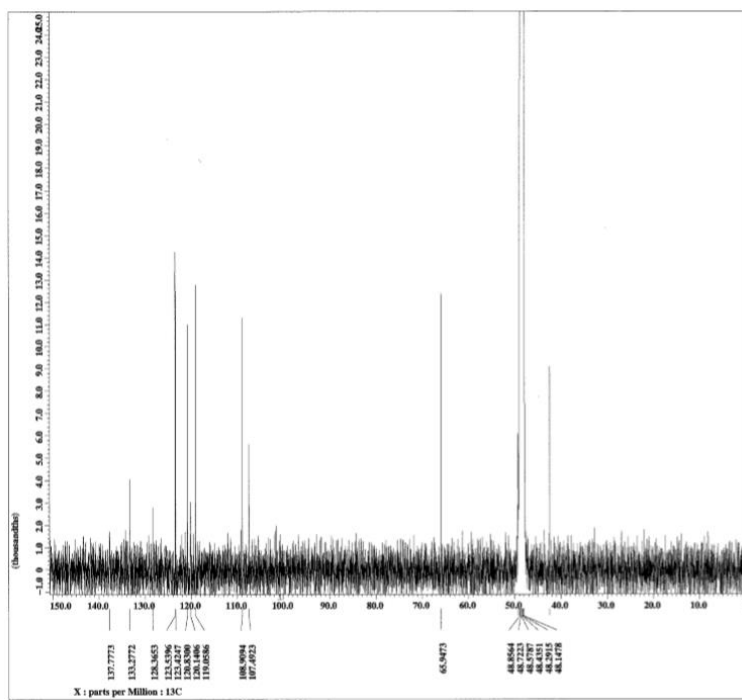
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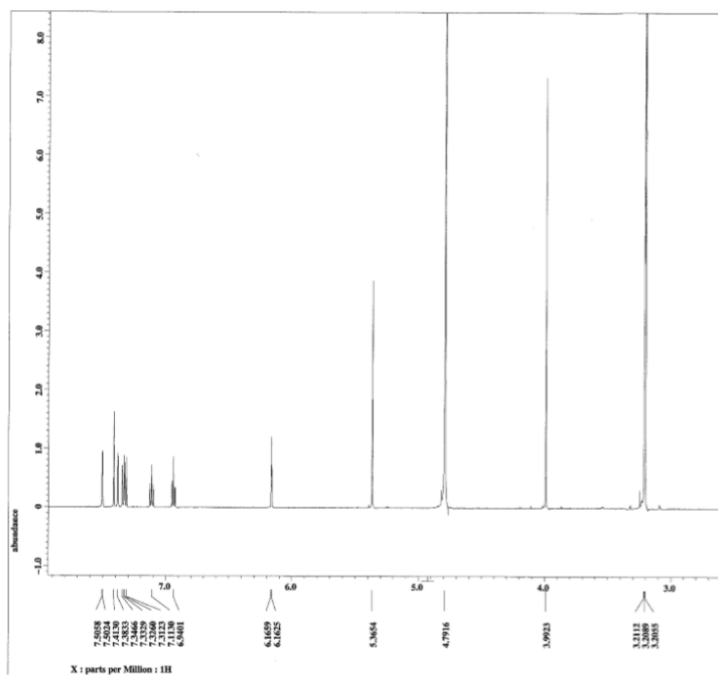
$^1\text{H}$  -NMR spectrum of compound **2**. Measured in  $\text{CD}_3\text{OD}$ .



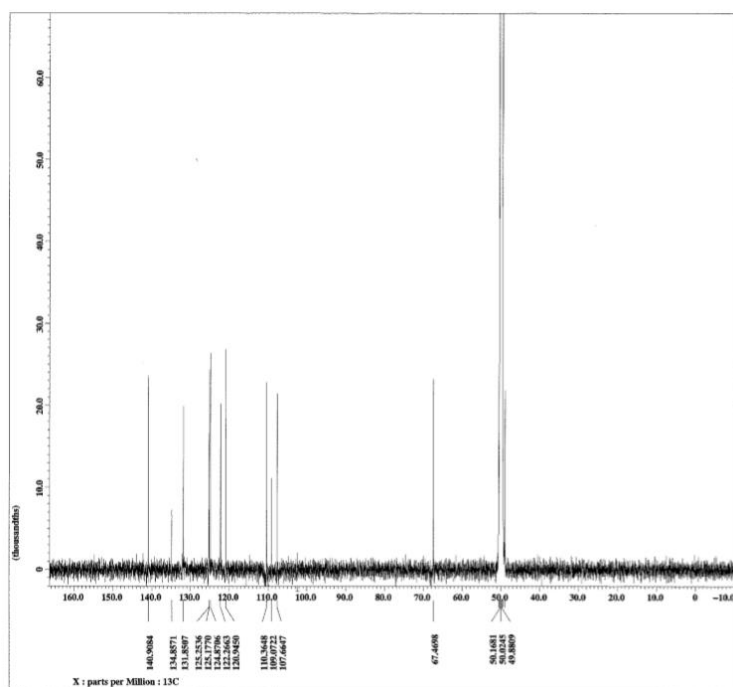
$^{13}\text{C}$  -NMR spectrum of compound **3**. Measured in  $\text{CD}_3\text{OD}$ .



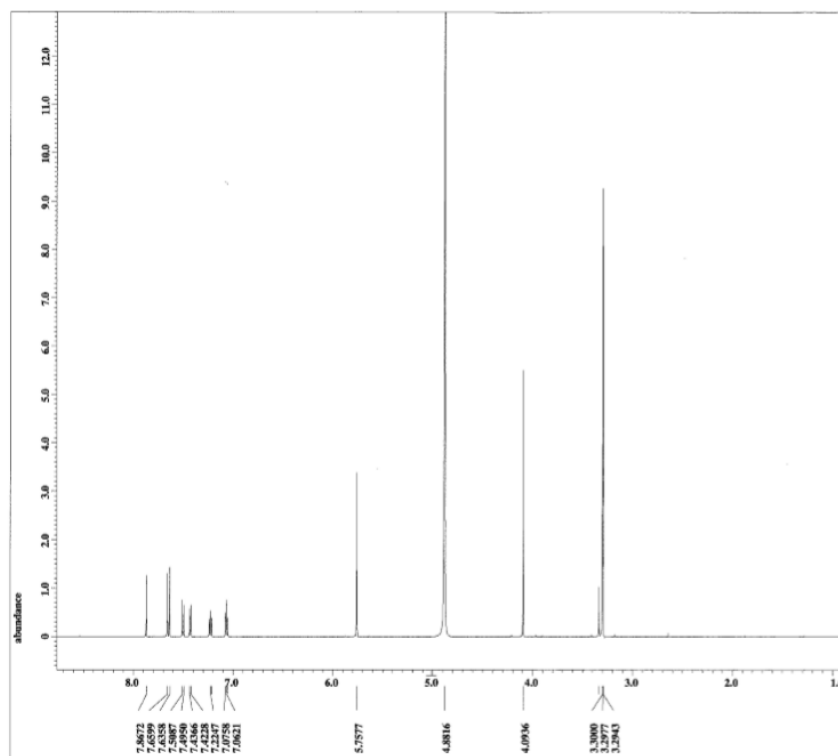
$^1\text{H}$ -NMR spectrum of compound **3**. Measured in  $\text{CD}_3\text{OD}$ .



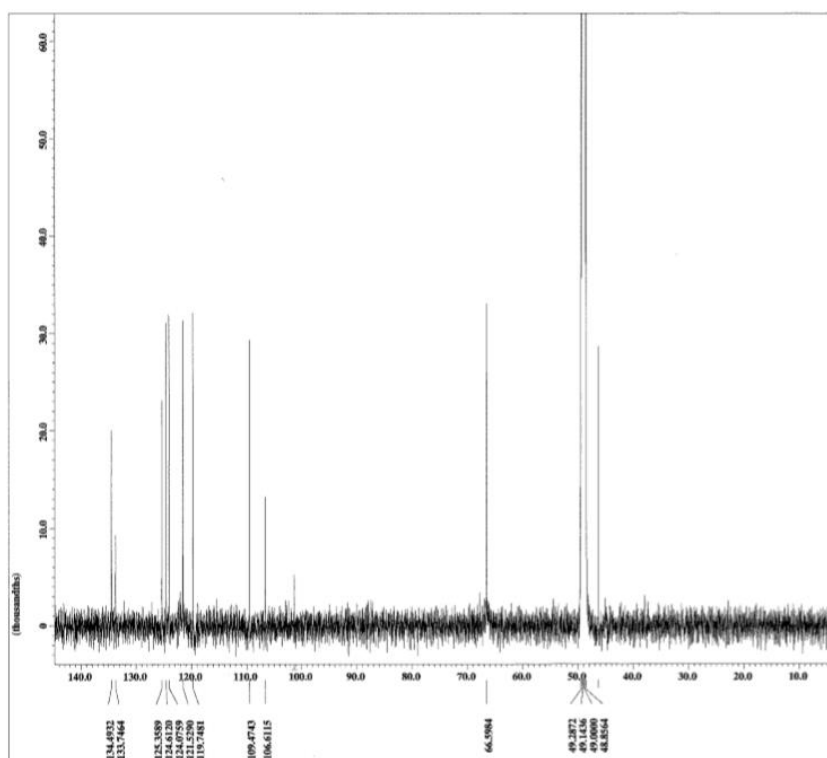
$^{13}\text{C}$ -NMR spectrum of compound **3**. Measured in  $\text{CD}_3\text{OD}$ .



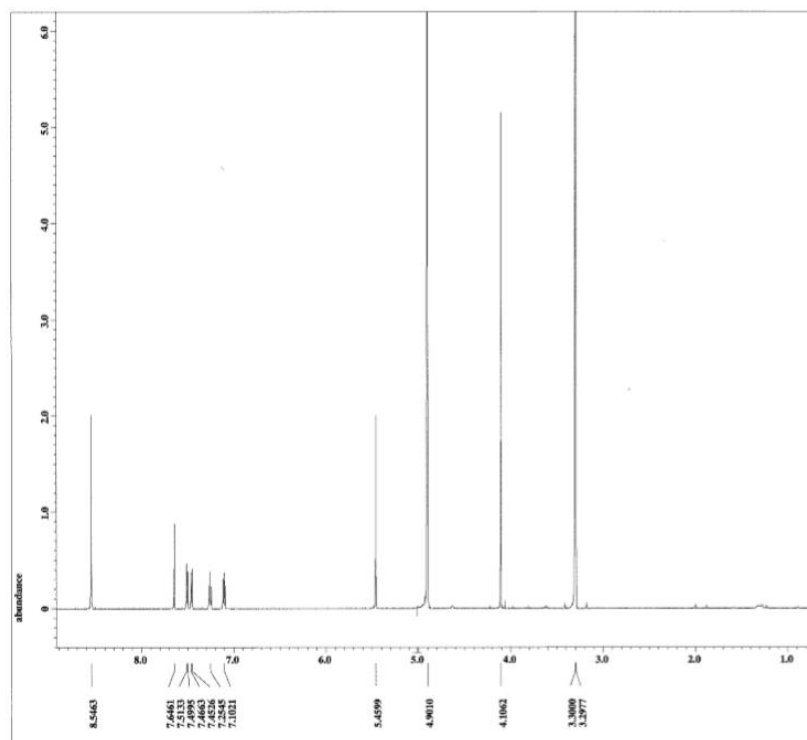
$^1\text{H}$  -NMR spectrum of compound **4**. Measured in  $\text{CD}_3\text{OD}$ .



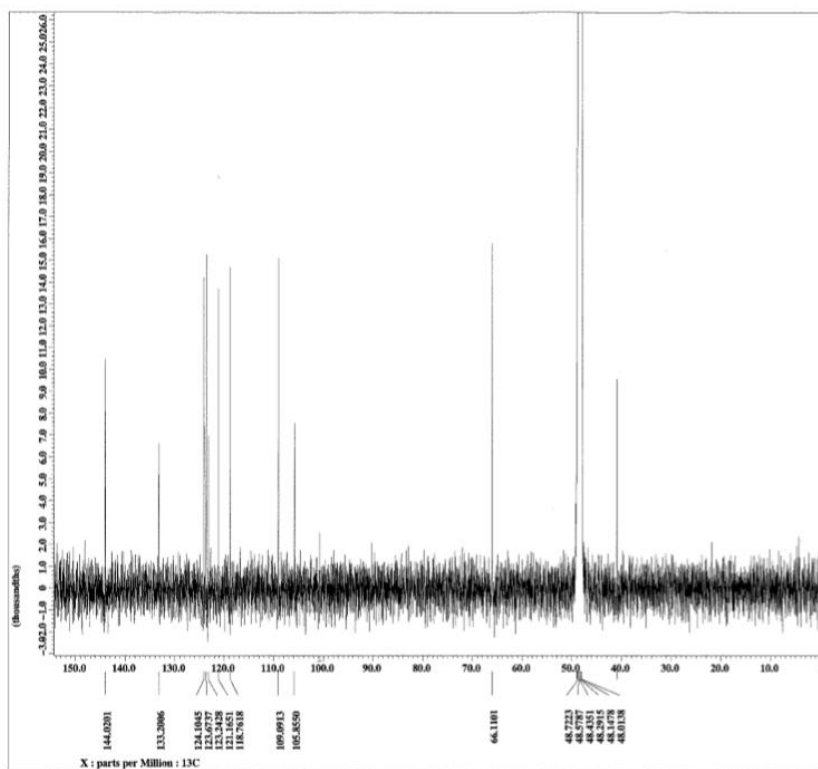
$^{13}\text{C}$  -NMR spectrum of compound **4**. Measured in  $\text{CD}_3\text{OD}$ .



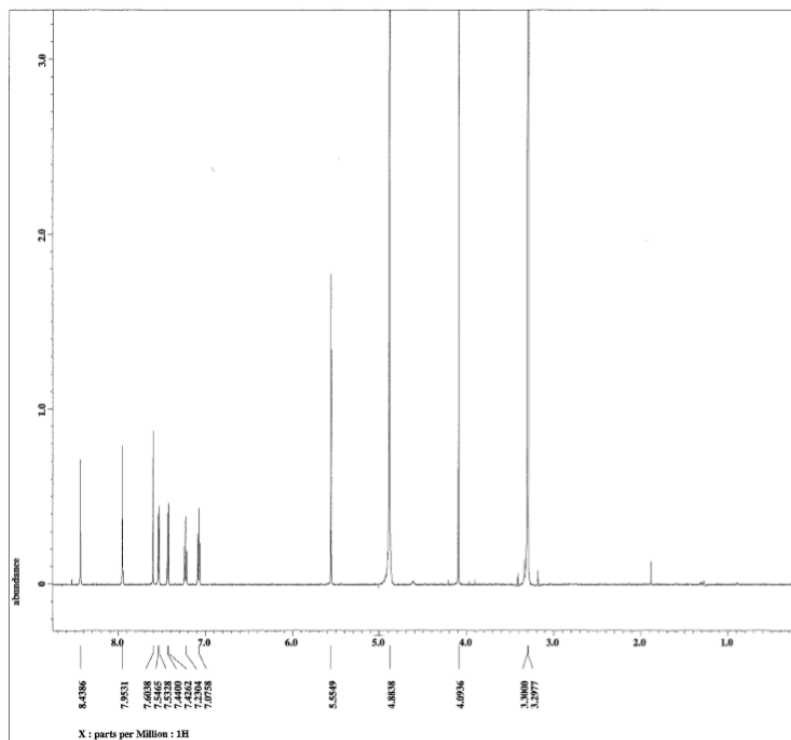
$^1\text{H}$ -NMR spectrum of compound **5**. Measured in  $\text{CD}_3\text{OD}$ .



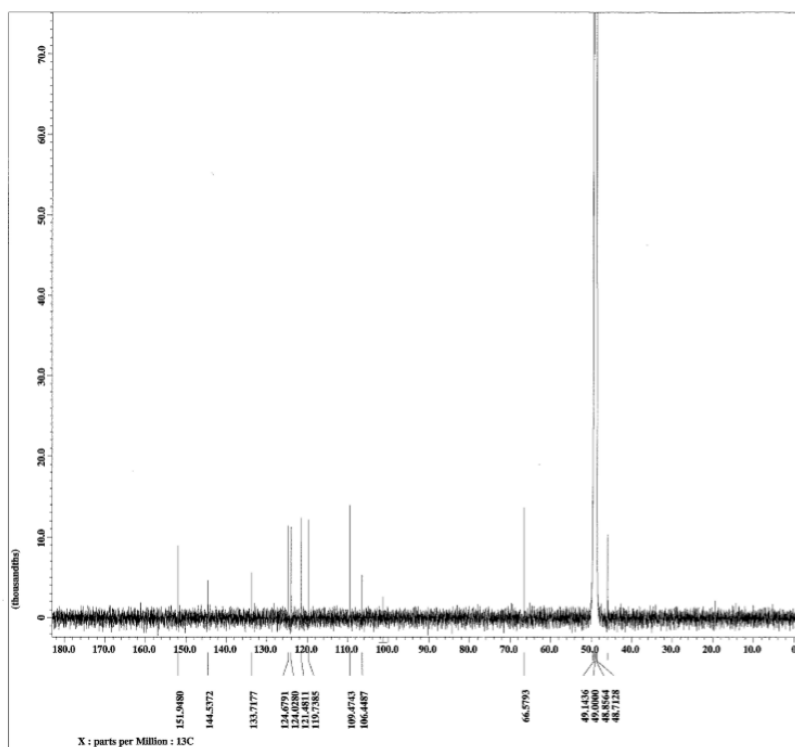
$^{13}\text{C}$ -NMR spectrum of compound **5**. Measured in  $\text{CD}_3\text{OD}$ .



$^1\text{H}$  -NMR spectrum of compound **6**. Measured in  $\text{CD}_3\text{OD}$ .



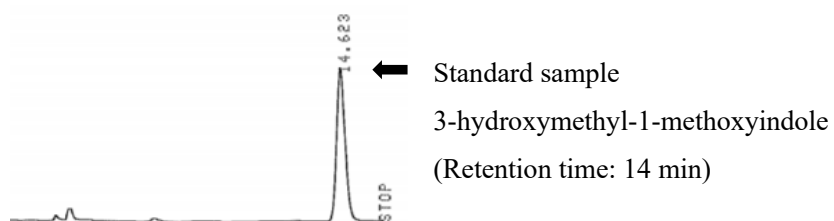
$^{13}\text{C}$  -NMR spectrum of compound **6**. Measured in  $\text{CD}_3\text{OD}$ .



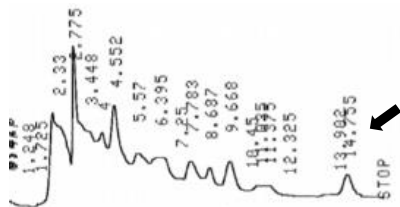
## HPLC analysis on incubation of compound 1 and myrosinase without nucleophilic agent

Each peak was assigned by comparison of their retention times with that of standard sample.

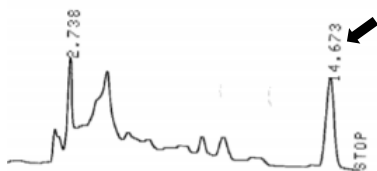
The peak of 3-hydroxymethyl-1-methoxyindole on HPLC analysis



The HPLC analysis after 5 min in the enzyme reaction

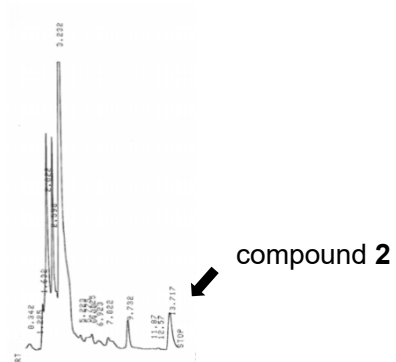


The HPLC analysis after 3 hr in the enzyme reaction



## HPLC analysis on incubation of compound 1 and imidazole without myrosinase

The HPLC analysis on incubation of compound 1 and imidazole with myrosinase  
Compound 2 was obtained (retention time 13 min)



The HPLC analysis on incubation of compound 1 and imidazole without myrosinase  
Compound 2 was not obtained.

