

Activity of a Recombinant Chitinase of the *Atta sexdens* Ant on Different Forms of the Chitin, and Its Fungicidal Effect Against *Lasiodiplodia theobromae*

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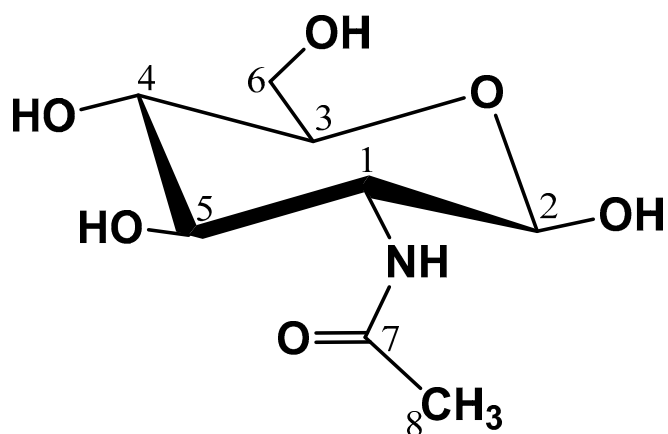


Figure 1S. GlcNAc chemical structure.

Table 1S. Assignments of the ^1H NMR spectra in D_2O for the N-acetyl-d-glucosamine compound. Chemical shifts (ppm), multiplicity, and coupling constants (Hz)

No.	^1H
1'	3.88 (m)
2'	5.19 d (2.8 Hz)
3'	3.40 – 3.95 (m)
4'	3.40 – 3.59 (m)
5'	3.40 – 3.95 (m)
6'	3.40 – 3.95 (m)
NH	8.09 d (8.0 Hz)
7'	-
8'	2.03 s

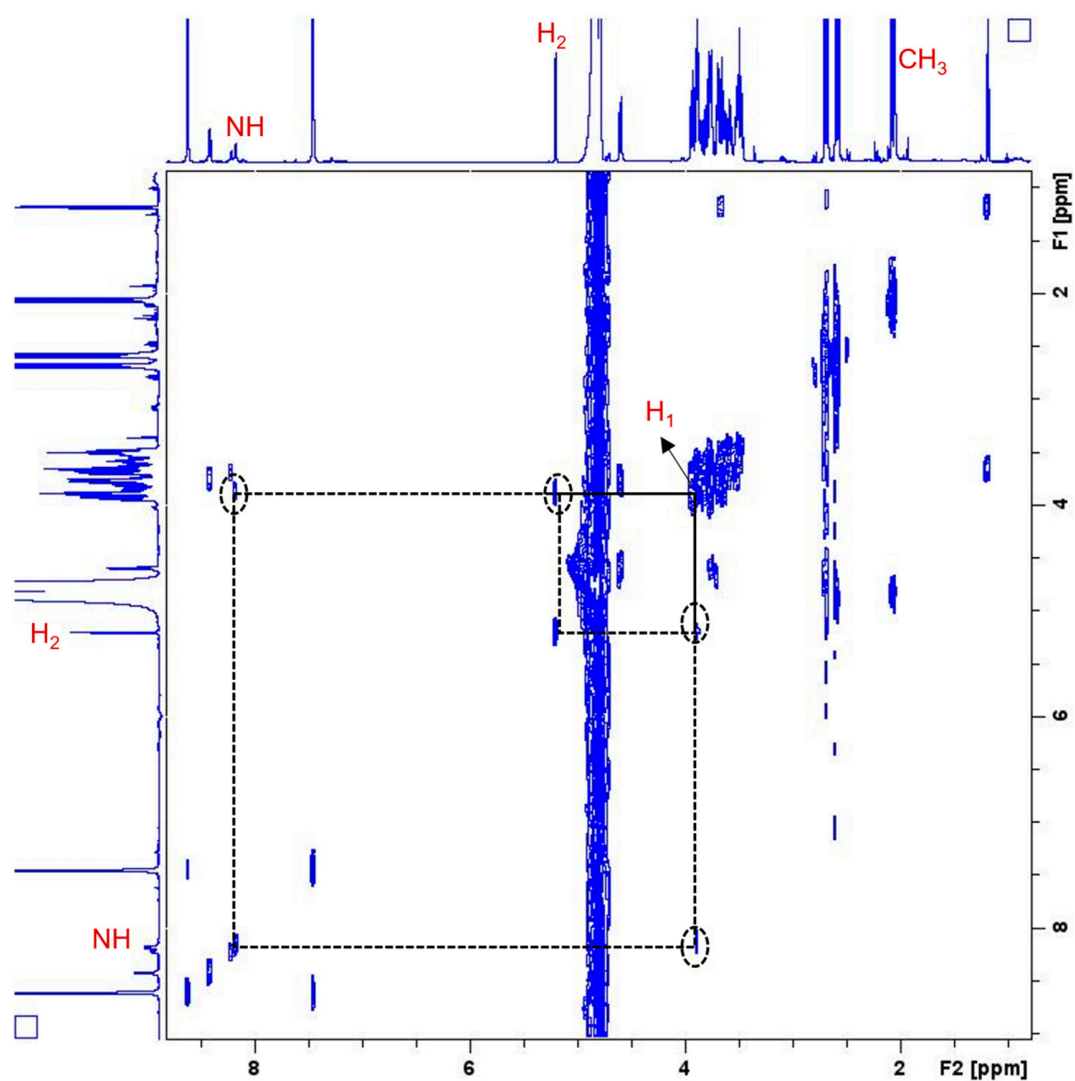


Figure S2. COZY ^1H - ^1H NMR spectrum for GlcNAc. Signals of the N-acetyl-d-glucosamine hydrolyzed product are highlighted.

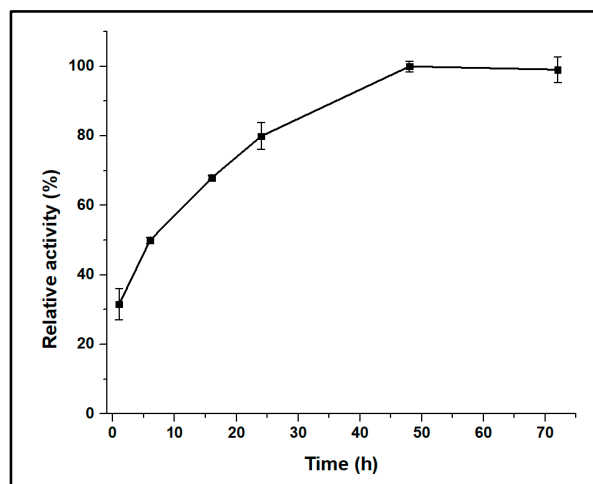


Figure S3. Enzymatic activity in the presence of colloidal α -chitin substrate at 28 °C.