***Supporting information for:***

**Exploitation the unique acidity of novel cerium-tungstate catalysts in the preparation of indole derivatives under** **eco-friendly acid catalyzed Fischer indole reaction protocol**

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**Figure S1:** IR-Spectrum of 5-methoxy-2,3,3-trimethyl-3H-indole (**3d-blue**) and 2,3,3-trimethyl-3H-indole-5-carboxylic acid (**3f-red**) synthesized via Fischer indole reaction under Ce-W acid catalyst.

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**Figure S2:** 1H NMR spectrum of 5-methoxy-2,3,3-trimethyl-3H-indole (**3b**) synthesized via Fischer indole reaction under Ce-W acid catalyst.

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**Figure S3:** 13C NMR spectrum of 5-methoxy-2,3,3-trimethyl-3H-indole (**3b**) synthesized via Fischer indole reaction under Ce-W acid catalyst.

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**Figure S4:** Dept-135 NMR spectrum of 5-methoxy-2,3,3-trimethyl-3H-indole (**3b**) synthesized via Fischer indole reaction under Ce-W acid catalyst protocol.