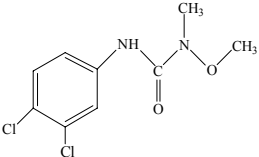
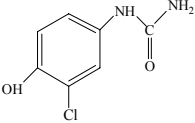
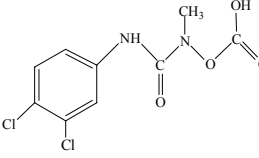
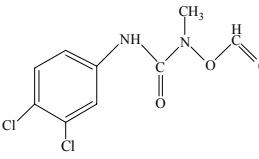
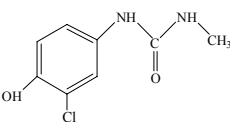
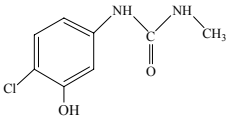
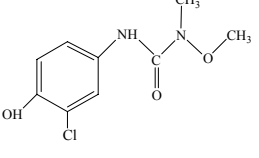
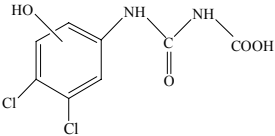
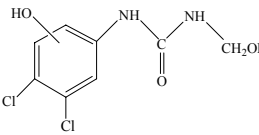


Table 1 Identified degradation products and their main fragments determined by LC/ESI-MS

Compound	Retention time	Molecular weight	Molecular ion and main fragments	Structural formula	Detected in	
					UV	Vis
LNR	20.93	248	247, 217, 188, 160, 109		✓	✓
1	8.96	186	185,165,141,119		✓	✓
2	9.49	278	277, 250, 233, 217,119		✓	✓
3	10.02	262	261, 156, 119,109			✓
4	10.65	200	199, 42,137,119		✓	✓
5	12.62	200	199, 137, 119		✓	✓
6	13.90	230	229, 37,119,109		✓	✓
7	14.61	264	263,176,119,109		✓	✓
8	14.83	250	249,219,202,176, 137,119,109		✓	✓

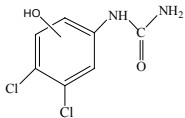
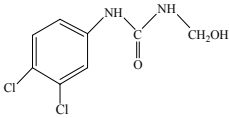
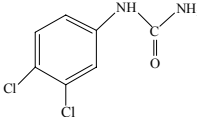
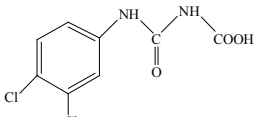
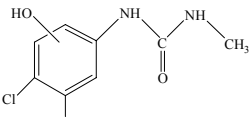
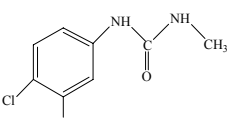
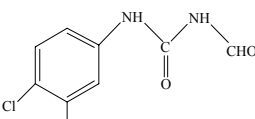
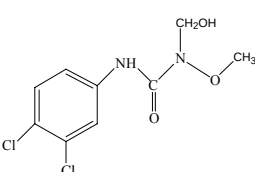
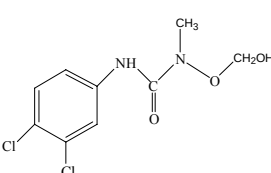
9	15.44, 15.56	220	219,203,176, 137 119,109		✓	✓
10	15.68	234	233,203,160, 137,119,109		✓	✓
11	16.31	204	203, 160, 137,119,109		✓	✓
12	16.69	248	247,203,88,160, 137,119,109		✓	✓
13	16.93	234	233, 202,176, 137,119,109		✓	✓
14	17.46	218	217, 160, 137,119,109		✓	✓
15	18.93	232	231,202,188 160, 137,119.109		✓	✓
16 and 17	19.30, 19.72	264	263, 233, 217, 202,188,156,119, 109	 or 	✓	✓

Figure 1. The evolution of TOC, chloride, ammonium and nitrate ions during the Vis-induced photocatalytic reaction (The initial concentration of LNR is 0.25 mM, the initial concentration of H_2O_2 is 10 mM, initial pH value is 6.0)

