

The diagram illustrates a complex organic molecule with the following features:

- Atom Labeling:** Atoms are labeled with numbers and element symbols: N_1, O_1, O_2, O_3, O_4, O_5, O_6, C_1, C_2, C_3, C_4, C_5, C_6, C_7, C_8, C_9, H_1, H_2, H_3, H_4, H_5, H_6, H_7, H_8, H_9.
- Bond Labeling:** All bonds are explicitly labeled as "Single".
- Structural Features:**
 - A central chain of carbon atoms (C_1 to C_9) is connected by single bonds.
 - Functional groups include a hydroxyl group (O_1, H_1), a carbonyl group (C_2=O_2), and a carboxylic acid group (C_9=O_6, O_5-H_9).
 - Branching occurs at several points, including a side chain at C_3 (C_4, C_5, C_6, C_7, C_8) and a hydroxyl group at C_5 (O_4-H_4).