

Oxaloacetate Lewis Structure

Chemical formula: $C_4H_4O_8^{2-}$

SMILES: [O-]C(=O)C(=O)C(=O)C(=O)[O-]

Chemical structure diagram:

The structure shows a central carbon-carbon bond, with each carbon double-bonded to an oxygen atom and single-bonded to two other oxygen atoms, each carrying a negative charge.

The Lewis structure is as follows:

$$\begin{array}{c} \text{O}=\text{C}-\text{C}=\text{O} \\ | \quad | \quad | \quad | \\ \text{O}^- \quad \text{O}^- \quad \text{O}^- \quad \text{O}^- \end{array}$$

The structure is a four-carbon chain with alternating single and double bonds, and each carbon is bonded to two oxygen atoms, one of which carries a negative charge.

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