

Table 1: Basak Descriptors and Their Specific Features

Descriptor	Specific Feature Description
CIC0	Represents zero-order connectivity; indicates the number of atoms in the molecule.
CIC1	First-order connectivity; reflects the number of direct connections between atoms.
CIC2	Second-order connectivity; considers the indirect connections and paths between atoms.
CIC3	Third-order connectivity; gives insight into the branching or complexity of the molecular structure.
CIC4	Fourth-order connectivity; indicates further complexity and structural variations in the molecule.
CIC5	Fifth-order connectivity; captures higher levels of complexity and branching.
CIC6	Sixth-order connectivity; provides additional information about the extensive branching of the molecule.
SIC0	Structural information content; indicates symmetry and regularity in molecular structure.
SIC1	First structural information; reflects minimal structural variation.
SIC2	Second structural information; shows limited branching and symmetry.
SIC3	Third structural information; maintains low complexity, indicative of a simple structure.
SIC4	Fourth structural information; reflects the repetitive structure with low variations.
SIC5	Fifth structural information; indicates very low structural complexity.
SIC6	Sixth structural information; similar to SIC3, remaining low due to linearity.
IC0	Information content; indicates the overall entropy of the molecule, showing its order.
IC1	First information content; reflects low diversity and simplicity in the structure.
IC2	Second information content; indicates minor structural diversity.
IC3	Third information content; shows further decrease in complexity.
IC4	Fourth information content; suggests basic information content for longer chains.
IC5	Fifth information content; indicates still more limited structural diversity.
IC6	Sixth information content; reflects marginal complexity, still low overall.