

The chemical structure is a complex organic molecule, likely a pesticide. It features a central benzimidazole core. The benzimidazole ring is substituted with a dimethylcarbamoyl group (N-C(=O)-O-C(CH₃)₃) at the 2-position, a 4-methoxybenzoyl group (C(=O)-C₆H₄-OCH₃) at the 4-position, and a 4-chlorophenyl group (C₆H₄-Cl) at the 5-position. Additionally, the benzimidazole ring is substituted with a 4-chlorophenylmethyl group (C₆H₄-CH₂-Cl) at the 6-position. The structure is drawn with a color-coded atom mapping scheme, where each atom is represented by a unique color to facilitate identification in the corresponding mass spectrum.

