

The chemical structure is a complex organic molecule, likely a derivative of a natural product. It features a central benzene ring substituted with a methoxy group (H<sub>3</sub>C-O-), a bromine atom (Br), and a side chain. The side chain consists of a trans-alkene connected to a five-membered ring containing a sulfur atom (S) and a nitrogen atom (N). This five-membered ring is further substituted with a carbonyl group (C=O) and a nitrogen atom (N) that is part of a larger, more complex ring system. This larger system includes another benzene ring with a methoxy group (H<sub>3</sub>C-O-) and a carbonyl group (C=O). The molecule also contains a methyl group (CH<sub>3</sub>) and a methoxy group (H<sub>3</sub>C-O-) attached to the larger ring system. The overall structure is highly branched and contains multiple functional groups, including ethers, a bromine atom, a sulfur atom, a nitrogen atom, and carbonyl groups.

