1-Methyl-3,3-bis[(4-methylphenyl)sulfanyl]piperidin-2-one

J. Zukerman-Schpector, P. R. Olivato, C. R. Cerqueira Jr, J. M. M. Santos, S. W. Ng and E. R. T. Tiekink

Abstract: The piperidone ring in the title compound, C$_{20}$H$_{23}$NOS$_2$, has a half-chair distorted to a twisted-boat conformation [$Q_1 = 0.5200$ (17) Å]. One of the S-bound benzene rings is almost perpendicular to the least-squares plane through the piperidone ring, whereas the other is not [dihedral angles = 75.28 (5) and 46.41 (5) Å, respectively]. In the crystal, the presence of C-H...O and C-H...π interactions leads to the formation of supramolecular layers in the $ab$ plane.