4-(5-Phenyl-3-trifluoromethyl-1H-pyrazol-1-yl)benzenesulfonamide

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Abstract: Significant twists between the aromatic rings are evident in the structure of the title compound, C₁₆H₁₂F₃N₃O₂S. With reference to the pyrazole plane, the N- and C-bound benzene rings form dihedral angles of 57.12 (11) and 29.75 (11)°, respectively. The dihedral angle between the benzene rings is 52.82 (11)°. The presence of N-H...O(sulfonamide) and N-H...N(pyrazole) hydrogen bonds lead to supramolecular tubes along the b-axis direction. These are connected into layers via C-H...O interactions involving a bifurcated O atom (not involved in the N-H...O hydrogen bonding). Layers stack along the a-axis direction.