N-[4-(4-Bromophenyl)thiazol-2-yl]- 4-(piperidin-1-yl)butanamide

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Abstract

In the title compound, C18H22BrN3OS, the piperidine ring adopts a chair conformation. The mean plane of the thiazole ring forms dihedral angles of 23.97 (10) and 75.82 (10)° with the mean planes of its adjacent benzene and piperidine rings, respectively. An intramolecular N—H—N hydrogen bond generates an S(7) ring motif in the molecule. In the crystal, no significant intermolecular hydrogen bonds are observed, but a weak interaction with a centroid–centroid distance of 3.8855 (13) Å occurs.

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