

2,2-Dibenzylhydrazin-1-ium chloride

Abstract

In the title salt, $C_{14}H_{17}N_2^+ \cdot Cl^-$, the central N atom is pyramidal (sum of bond angles = 330.9°) and there is a near orthogonal relationship between the benzene rings [dihedral angle = $89.95(10)^\circ$]. The crystal packing features N - H \cdots Cl hydrogen bonds, which lead to a supramolecular undulating ribbon along the a axis comprising edge-shared eight-membered $\{\cdots HNH\cdots Cl\}_2$ synthons. The chains are connected into layers in the ab plane by C - H \cdots π interactions.

Keyword: Single-crystal X-ray study; Benzene.