Synthesis and Crystal Structure of a Chiral Aromatic Amine Chloride Salt $(C_8H_{12}N)Cl$[1]

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Abstract—The new organic chloride salt incorporating an aromatic primary amine with a chiral functional group, (S)-α-methylbenzylammonium), has been synthesized by slow evaporation method at room temperature. The crystals are trigonal with non-centrosymmetric sp. gr. *R*3. The crystal packing is determined by N–H···Cl hydrogen bonds and C–H···π interactions between the aromatic rings of the organic moieties, resulting in supramolecular architecture.

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