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New Hybrid Halogenobismuthates as Candidates for Non-linear Optical Properties

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We report several novel hybrid halogenobismuthates, specifically chlorobismuthates and iodobismuthates, which were synthesized to find possible acentric candidates for use as non linear optical materials. The employed organic cations are dimethylpyridinium (DMP), 3-iodopropylammonium (3-IPA) and 1-phenethylammonium (1-PEA) in both R and S configurations, resulting in monoclinic (Cc and $P2_1$) and orthorhombic ($P2_12_1$ and $Pna2_1$) compounds.

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