

# Synthesis of Dimethylphosphinoyl Substituted $\alpha$ -Aminoarylmethanephosphonates

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New dimethylphosphinoyl-substituted  $\alpha$ -aminoarylmethanephosphonates **1a** – **f** have been synthesized *via* addition of dimethyl or diethyl phosphites to Schiff bases and *via* Kabachnik-Fields reaction. The structure of the compounds was confirmed by elemental analysis, IR, <sup>1</sup>H and <sup>31</sup>P{<sup>1</sup>H} NMR spectroscopy, mass spectrometry and in two cases by X-ray diffraction.

**Key words:** Dimethylphosphinoyl-Substituted Phosphonates,  $\alpha$ -Aminoarylmethanephosphonates, Kabachnik-Fields Reaction, Arylmethylene-1-dimethylphosphinoylmethaneamines