

Graphene oxide functionalized by phosphorus dendrons and dendrimers for oncology applications

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The use of nanomaterials based on dendrimers functionalizing graphene oxide in the biological field has recently attracted more and more attention of the scientific community, including chemists and biologists, because of their characteristics and unique properties[1-2].

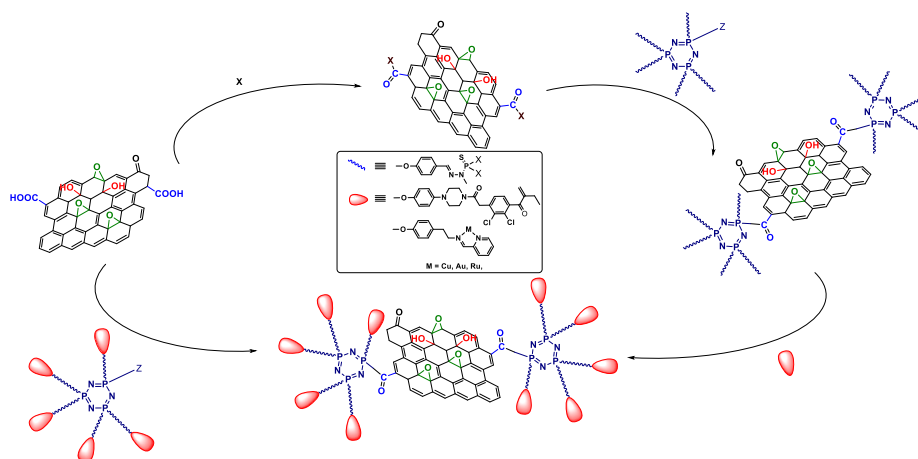


Figure 1: different synthesis strategy

In this communication, we will present a new series of phosphorus dendrons and dendrimers which contain on their surface metal complexes [3] or small anticancer molecules to functionalize graphene oxide *via* two strategies (Figure 1).

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