

## عنوان مقاله:

Synthesis and characterization of termini azobenzenedendrimer

## محل انتشار:

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## خلاصه مقاله:

Some of the organic molecules can be isomerized upon photoirradiation and when they are accompanied by a change in the visible absorption spectrum, it can be called photochromism. Azobenzenes which are important parts of molecular machines and nanotechnology can be called photoisomerization azobenzene (azo) chromophores, and have been incorporated into a wide variety of materials and molecular architectures, including polymers, dendrimers, and molecular glasses. We synthesized and characterized the AB<sub>2</sub> type polyamidoamine (PAMAM) dendrimers by single active site. PAMAM diazobenzenedendrimer was synthesized and characterized by FTIR and NMR (<sup>1</sup>H, <sup>13</sup>C) and CHN-O Elementary analysis. A simple method can be used for the synthesis of azobenzene derivative PAMAM dendrimer and other similar compounds.

## کلمات کلیدی:

Azodibenzoic acid, PAMAM dendrimer, termini group

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/362010>

