MICRO-VAWES ASSISTED DINITRILATION AND PHTHALOCYANİNES SYNTHESIS

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Phthalonitriles is the most common precursor of a phthalocyanines ring. It is usually prepared from the corresponding dibrominated aromatic following the Rosenmund-Von Braun reaction.

![Reaction Diagram]

We increase the yield of this reaction by using microwaves promotion. Micro-vawes assisted nitrilation has been so far investigated only on a mono halide substrate. We developed the method for a vicinal dinitrilation with a tremendous reduction of both reaction time (one night reduced to 30 minutes) and work up time.

It has been applied to many different compounds, with R = methyl, NHTs, imidazole, with significant increase of the yields.

The synthesis of the corresponding phthalocyanines will be described, as it increases as well the yields and even though the purity of the reaction mixture.

References