

Interaction of methylpheophorbide (a) with ethylenediamine

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Abstract

Chlorin e₆ amide derivatives with one, two and three amino groups were synthesized by the action of ethylenediamine on methylpheophorbide (a). Ester group in position 17 has being shown to react first in the amidation with ethylenediamine and then in position 15. Amidation of the ester group in position 15 without the reaction in position 17 does not occur. The higher reaction ability of the ester group in position 17 can be explained with the lower steric hindrance.