

ABSTRACT

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Title of Thesis: Study of glycine-NBDCI derivivate stability

In this thesis the stability of glycine-NBDCI derivative under three different conditions (heat+light, heat+dark, cool+dark) is studied by HPLC with fluorimetric detection. Ater being stabilized by hydrochloric acid the derivatives exhibit a better stability, but the concentrations found during several weeks are too scattered. In addition an alternative chromatographic conditions were proposed for the HPLC analysis. Acetonitrile with hydrogen phosphate buffer (pH 7,0) in ratio 70:30 on an Atlantis column gave symetric peaks with a short time of elution.