Color test for selective detection of secondary amines on resin and in solution. - DTU Orbit (14/04/2018)

Color test for selective detection of secondary amines on resin and in solution.
Resins for solid-phase synthesis give orange to red-brown resin beads selectively when secondary amines are present on the resin when treated with a solution of acetaldehyde and an Fmoc-amino acid in NMP. The method shows good specificity and gives colorless beads when exposed to a variety of other functional groups. Furthermore, the acetaldehyde/Fmoc amino acid method can be used as a selective colorimetric test for secondary amines in solution.

General information
State: Published
Organisations: National Veterinary Institute, Section for Immunology and Vaccinology, Center for Nanomedicine and Theranostics
Authors: Boas, U. (Intern), Mirsharghi, S. (Intern)
Number of pages: 4
Pages: 5918-5921
Publication date: 2014
Main Research Area: Technical/natural sciences

Publication information
Journal: Organic Letters
Volume: 16
Issue number: 22
ISSN (Print): 1523-7060
Ratings:
BFI (2018): BFI-level 2
Web of Science (2018): Indexed yes
BFI (2017): BFI-level 2
Web of Science (2017): Indexed Yes
BFI (2016): BFI-level 2
Scopus rating (2016): CiteScore 6.32 SJR 2.964 SNIP 1.218
Web of Science (2016): Indexed yes
BFI (2015): BFI-level 2
Scopus rating (2015): SJR 3.055 SNIP 1.336 CiteScore 6.38
Web of Science (2015): Indexed yes
BFI (2014): BFI-level 2
Scopus rating (2014): SJR 2.958 SNIP 1.324 CiteScore 6.18
Web of Science (2014): Indexed yes
BFI (2013): BFI-level 2
Scopus rating (2013): SJR 3.144 SNIP 1.329 CiteScore 6.12
ISI indexed (2013): ISI indexed yes
Web of Science (2013): Indexed yes
BFI (2012): BFI-level 2
Scopus rating (2012): SJR 3.312 SNIP 1.355 CiteScore 5.7
ISI indexed (2012): ISI indexed yes
Web of Science (2012): Indexed yes
BFI (2011): BFI-level 2
Scopus rating (2011): SJR 3.271 SNIP 1.377 CiteScore 5.81
ISI indexed (2011): ISI indexed yes
BFI (2010): BFI-level 2
Scopus rating (2010): SJR 2.985 SNIP 1.307
Web of Science (2010): Indexed yes
BFI (2009): BFI-level 2
Scopus rating (2009): SJR 3.048 SNIP 1.37
BFI (2008): BFI-level 2
Scopus rating (2008): SJR 3.263 SNIP 1.295
Web of Science (2008): Indexed yes
Scopus rating (2007): SJR 3.185 SNIP 1.296