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(54) Title: REAGENTS THAT FACILITATE THE PURIFICATION OF COMPOUNDS SYNTHESIZED ON A SOLID SUPPORT

(57) Abstract: Disclosed is a novel capping-and-tagging ("cap-tag") strategy that aids in the purification of compounds assembled by multi-step synthetic methods. The incorporation of a unique cap-tag into undesired intermediates during a multi-step synthesis allows for the straightforward removal of these undesired compounds at the conclusion of the synthetic protocol by several methods based on affinity chromatography and scavenging resins. Importantly, this invention may be exploited in any automated synthetic protocol. In preferred embodiments, the cap-tag system is exploited for the purification of carbohydrates prepared via automated solid-phase methods.

INTERNATIONAL SEARCH REPORT

International application No.

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A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : B01 J 8/04; C08 B 37/00
 US CL : 422/190; 536/123

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 U.S. : 422/190; 536/123

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
 West search: automated and synthesis and oligosaccharide and tag and polymer

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6,538,117 B1(WONG et al) 25 March 2003.	1-22

Further documents are listed in the continuation of Box C.

See patent family annex.

* Special categories of cited documents:	"T"
"A" document defining the general state of the art which is not considered to be of particular relevance	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

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