

Organic chemistry – seminar

Solid phase organic synthesis

1. Find information about the indicated SPOC method/reagent.
2. Find a paper with application of SPOC, briefly present the methods and explain the benefit of using such procedure.
3. Provide proper references for information sources.

Student	Topics
Bamgbose Ayobami Peter	Traceless linkers, photolabile linker
Behera Gourahari	Scavenging resins, solid phase purification
Patel Arpit Jayendrakumar	Immobilized reagents: coupling agents and oxidants
Prajapati Bibek	Acid labile resins: Merrifield, Wang, trityl: cleavage conditions. Product in the form of carboxylic acid, amide, ester, alcohol
Sayfullaev Giyosiddin	Anchoring substrates: loading resin with carboxylic acids, aldehydes, alcohols, amines. Loading and cleaving conditions.
Wang Nina	Insoluble polymeric supports: polystyrene cross-linked with divinylbenzene, PEG resins. Soluble supports (*). Physicochemical properties (swelling)

Good starting points:

<http://www.bachem.com/service-support/technical-library/catalogs-brochures>

<http://www.merckmillipore.com/PL/pl/reagents-chemicals-and-labware/novabiochem-learning-center/peptide-and-ht-organic-synthesis-technical-resources/novabiochem-solid-phase-organic-synthesis/Dw2b.qB.6QYAAFLf2Ep.xHm,nav>