

SABIT™ - Solid Phase Synthesis Resins		
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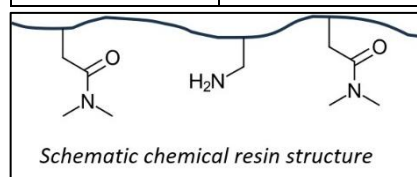
SABIT™ PDMA LR-C0.5 – Pre-Launch material

Material overview

SABIT-SPPS products are polymeric cross-linked beaded materials developed with novel resin technology for use in solid phase peptide synthesis or synthesis of potentially other bio-based oligomers such as oligonucleotides.

SABIT PDMA AE LR-C0.5 (prototype) is a low rigidity (LR), cross-linked poly-dimethylacrylamide material with aliphatic aminoethyl groups and are fully hydrophilic spherical beads. The loading (C) is tunable at a level of 0,5 mmol/g amino groups.

SABIT PDMA LR-C0.5 prototype	
Resin matrix	PDMA
Particle size	Ca 75-300 µm
Functionality	Aminoethyl AE
Loading (C)	0.5 mmol/g
Swelling, DMF	Ca 8 ml/g
Swelling, H2O	Ca 8 ml/g
Swelling, IPA	Ca 8 ml/g



Material features

- Strong Kaiser Test (dark blue) confirming abundant amino groups
- Titration confirming capacity at 0.5 mmol/g
- 8 ml/g swelling in water, DMF or alcohols showing constant and open resin structure
- Large pores proven by access for insulin by size exclusion chromatography (SEC)
- Mechanical rigidity as tested for SEC in LC columns
- Good control of amino loading with multiple batches with predictable capacities

The material is aimed at replacing (discontinued) hydrophilic materials such as

- ChemMatrix (discontinued)
- PEGA resins (not widely available)
- PS-PEG such as TentaGel etc

For ordering samples, pls contact us at order@redstone-sep.com