

Description: 4-Methylbenzhydrylamine resin

Application: Solid Phase Peptide Synthesis, Synthesis of Amides

See Also: PL-Rink, PL-Rink MBHA, PL-Sieber, PL-Ramage, PL-HMBA

Although PL-MBHA is traditionally used as a support for solid phase synthesis of peptide amides using Boc chemistry, the acid stability of the resin enables other molecules to be produced. These include molecules such as β -lactam derived compounds, where reagents and by-products from the process might otherwise cause premature cleavage from the resin.

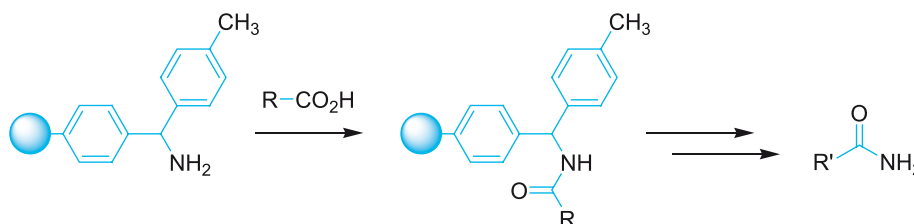
Initial amino acids and other carboxylic acids can be coupled directly to the resin using standard coupling techniques.

Cleavage typically requires treatment with very strong acid such as HF or TFMSA.

Sometimes Fmoc peptide synthesis is performed on PL-MBHA to allow removal of side chain protecting groups while the peptide chain remains attached to the resin. HF cleavage then ensures that only the desired unprotected peptide amide is released into solution, free from contamination with cleaved side chain protecting groups.

PL-MBHA can also be used for attachment of linkers in a similar manner to PL-AMS resins.

Note: specialist equipment and training is required to safely perform HF cleavage operations.



References

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Ordering Information

PL-MBHA Resin (1% DVB)	Part No
1.1mmol/g 75-150 μ m	PL3484-1799, 5g
	PL3484-3799, 25g
	PL3484-4799, 100g
	PL3484-6799, 1kg

Additional Information

Varian Polymer Laboratories manufactures in multi kg quantities. Please enquire for details.