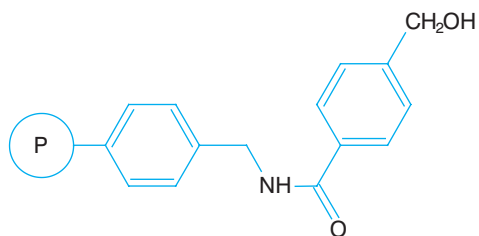


# PL-HMBA Resin

# PL-HMS Resin



## Description

4-Hydroxymethylbenzoic acid AMS resin

## Synonyms

Sheppard's base labile resin

## Applications

PL-HMBA Resin has found favour in the solid phase synthesis of small organic molecule libraries due to its acid stability. Unlike the analogous chloromethylstyrene or hydroxymethylstyrene resins, the benzyl ester linkage formed with PL-HMBA Resin is stable to treatment with strong acid.

The product can be cleaved with a variety of nucleophiles resulting in further useful synthetic transformations. Cleavage of acids can be accomplished using saponification with NaOH solutions, however ammonolysis, transesterification and hydrazinolysis result in production of amides, esters and hydrazides respectively.

## References

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## Products Information

Microporous

**PL-HMBA Resin**

0.9mmol/g 75-150 $\mu$ m

**PL-HMS Resin**

2.0mmol/g 150-300 $\mu$ m



## Description

4-Hydroxymethylpolystyrene

## Synonyms

None

## Applications

PL-HMS Resin can be used as an alternative to PL-CMS Resin in many instances. The key difference is that other loading chemistries are available for the attachment of the first amino acid (for peptide synthesis) or key building block (in solid phase organic chemistry).

## References

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