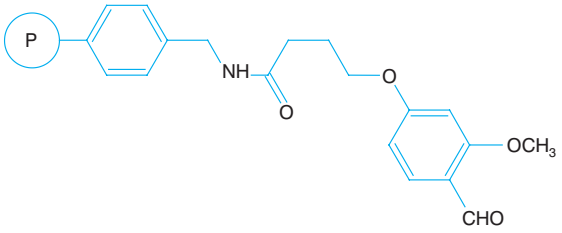
# PL-FMPB Resin



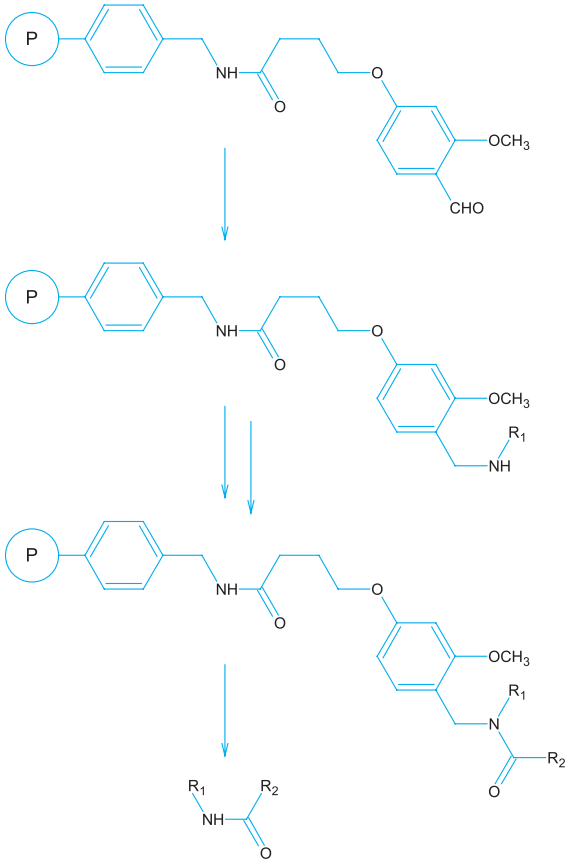

## Description
4-(4-Formyl-3-methoxyphenoxy)-butyric acid AMS resin

## Synonyms
None

## Applications
The 4-formyl-3-methoxyphenoxy linker is commonly used in synthesis of amides or sulfonamides. In this variant, the functional linker is attached via an amide bond to the resin, thus increasing the stability of the linker towards acidolysis.

Amines are attached directly to the formyl group of the linker by reductive amination using sodium triacetoxyborohydride or sodium cyanoborohydride. For chemists wishing to monitor the progress of this reduction reaction by FT-IR on resin, it may be preferential to use the PL-FMP or PL-FDMP variants (page 39).

The amine side chain can be modified as necessary, then the resultant secondary amine can be reacted with a variety of activated carboxylic or sulfonic acids, before cleavage via acidolysis.




## References
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Smith, J M & Krchňák, V (1999), Tetrahedron Lett, **40**, 7633
Krchňák, V et al (2001), Tetrahedron Lett, **42**, 2443
Makara, G M & Ma, Y (2001), Tetrahedron Lett, **42**, 4123
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## Products Information
Microporous
**PL-FMPB Resin**
1.4mmol/g 150-300$\mu$m (50-100 mesh)