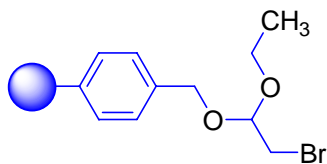


PL-Bromoacetal Resin



Description

Polymer supported bromoacetal

Synonyms

2-Bromo-1-ethoxyethan-1-oxyl HMS Resin

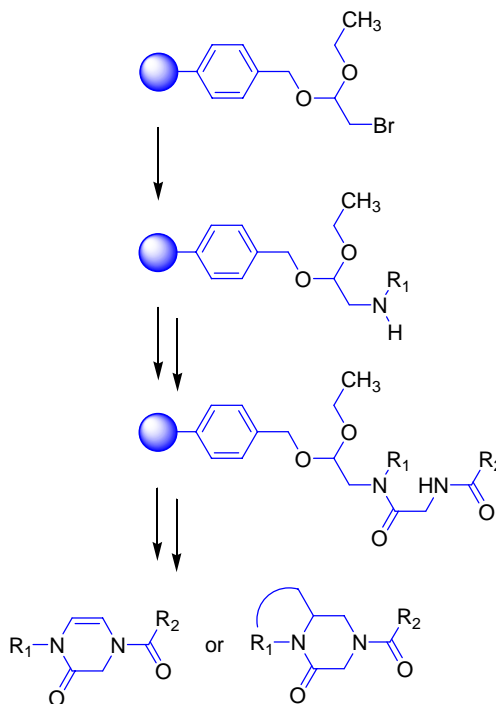
Applications

Bromoacetal resin is a versatile support allowing the production of bicyclic compounds through a cleavage-cyclisation reaction, which results in an essentially "traceless" reaction.

A range of bicyclic beta turn peptidomimetics prepared via the 1-acyl-3-oxopiperazines motif have been published. In addition the solid phase synthesis of praziquantel, an antiparasitic drug used for the treatment of schistosomiasis (Bilharzia or snail fever), has also been reported.

Initially a primary amine is attached to the resin and subsequently acylated.

Following completion of the synthetic cycle, formic acid is commonly used to effect cleavage and cyclisation.



References

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- Eguchi, M et al. (2001), *Tetrahedron Lett*, **42**, 1237
- El-Fayyoumy, S et al. (2006), *Tetrahedron Lett*, **47**, 2187
- Lee, S-C and Park, S B (2006), *J Comb Chem*, **8**, 50
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Products Information

Microporous

PL-Bromoacetal Resin

1.0mmol/g 150-300µm (50-100 mesh)