
Product Data Sheet

Product Name: 2-Chlorotrityl chloride resin (200-400 mesh, 1.5-1.9 mmol/g)

Cat. No.: GA24058

Chemical Properties

Cas. No. 934816-82-7

Formula M.Wt

Solubility Storage < -15°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure

Background

A very acid sensitive resin suitable for the synthesis of protected peptide fragments by the Fmoc-strategy. ClTrt resin is in particular suitable for the preparation of C-terminal prolyl and cysteinyl peptides (please see 2-Chlorotrityl Chloride Resin-Linked Amino Acids). Release from this resin is achieved by using 1-50 % TFA in CH₂Cl₂ containing 8 % triisopropylsilane, AcOH/CF₃CH₂OH/CH₂Cl₂, 0.5 % TFA or hexafluoroisopropanol/CH₂Cl₂. ClTrt resin has been used in cyclization reactions under Heck reaction conditions, the solid phase synthesis of β-peptides via the Arndt-Eistert homologation of Fmoc-protected amino acid diazoketones and in Mannich reactions of alkynes, secondary amines and aldehydes in the presence of a copper (I) salt affording the corresponding aminomethylalkynyl adducts. 2-Chlorotrityl resin is highly suitable for the synthesis of peptide alcohols, e.g., peptaibols, and peptide ω-aminoalkylamides.

Caution: Product has not been fully validated for medical applications. For research use only.

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