
Product Data Sheet

Product Name: Alkyne Amidite, hydroxyprolinol
 Cat. No.: GC10571

Chemical Properties

Cas. No.

Chemical Name 3-[[[(3R,5S)-5-[bis(4-methoxyphenyl)methoxymethyl]-1-hex-5-ynoyl]pyrrolidin-3-yl]oxy-[di(propan-2-yl)amino]phosphanyl]oxypropanenitrile

SMILES CC(C)N(C(C)C)P(OCCC#N)OC1CC(N(C1)C(=O)CCCC#C)COC(C2=CC=C(C=C2)OC)C3=CC=C(C=C3)OC

Formula $C_{41}H_{52}N_3O_6P$ M.Wt 713.84

Solubility good in acetonitrile and dichloromethane Storage 24 months after receipt at -20°C. Transportation: at room temperature for up to 3 weeks. Desiccate.

General 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 sizes: ship with RT, or blue ice upon request.

Structure

Background

Phosphoramidite for the synthesis of alkyne-modified oligonucleotides. Oligonucleotides can be used for Click Chemistry modification (see the protocol). Alkyne amidite structure

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

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