
Product Data Sheet

Product Name: DMT-5Me-dC(Bz)-CE Phosphoramidite

Cat. No.: GC67839

Chemical Properties

Cas. No. 105931-57-5

Formula C₄₇H₅₄N₅O₈P

M.Wt 847.93

Solubility DMSO : 250 mg/mL (294.84 mM; Need ultrasonic) Storage Store at -20°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**

DMT-5Me-dC(Bz)-CE Phosphoramidite is used in the preparation of locked nucleic acids (LNAs) for optimization of fluorescent oligonucleotide probes with improved spectral properties and target binding^[1].

[1]. Irina V Astakhova, et al. LNA for optimization of fluorescent oligonucleotide probes: improved spectral properties and target binding. *Bioconjug Chem.* 2011 Apr 20;22(4):533-9.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA
