
Product Data Sheet

Product Name: CD133-A15, 5'-DY647

Cat. No.: GC50338

Chemical Properties

Cas. No.

Formula C₁₈₂H₂₁₉F₉N₅₈O₁₀₄P₁₆

M.Wt

5549.58

Solubility Soluble in DMSO

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**

High affinity fluorescently tagged aptamer for CD133 (AC133 epitope) (K_d values are 33.9 and 83.2 nM in Hep3B and HT29 cells respectively). Efficiently internalized upon binding to CD133. Exhibits superior penetration of tumorspheres compared with an antibody to the same target. For optimal binding aptamers require refolding into their tertiary structure prior to use. Please refer to the protocol for information regarding refolding and aptamer use in unfixed cell imaging and flow cytometry.

Shigdar et al (2013) RNA aptamers targeting cancer stem cell marker CD133. Cancer Lett. 330 84 PMID:23196060

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

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