

Product Data Sheet

Product Name: Cyanine 3.18 TEA (solution)

Cat. No.: GC81417

Chemical Properties

Cas. No.

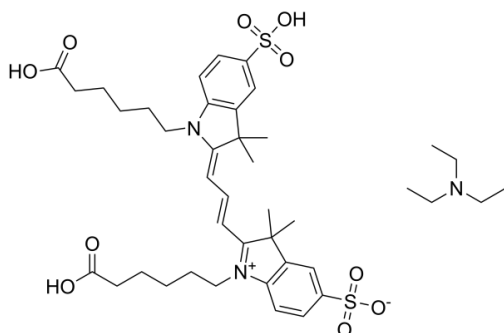
Formula $C_{41}H_{59}N_3O_{10}S_2$ M.Wt 818.05

Solubility 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

Cyanine 3.18 (TEA) (solution) is a cyanine dye and fluorescent label for biomolecules. Cyanine 3.18 (TEA) (solution) interacts with double helical DNA via intercalation, minor groove binding, or DNA-templated aggregation [1]. Solvent and concentration: DMSO: 10 mM

References:

[1]. Armitage BA. Cyanine dye–DNA interactions: intercalation, groove binding, and aggregation. In: Waring MJ, Chaires JB, editors. DNA Binders and Related Subjects. Berlin, Heidelberg: Springer; 2005:55–76.

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

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