
Product Data Sheet

Product Name: Cyanine5 NHS ester chloride

Cat. No.: GC60116

Chemical Properties

Cas. No. 1032678-42-4

SMILES CC1(C)C(/C=C/C=C/C=C2N(C)C3=C(C=CC=C3)C\2(C)C)=[N+](CCCCC(ON4C(CCC4=O)=O)=O)C5=C1C=CC=C5.[Cl-]Formula C₃₆H₄₂ClN₃O₄

M.Wt 616.19

Solubility DMSO : 250 mg/mL (405.72 mM; Need ultrasonic)

Storage

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**

Cyanine5 NHS ester chloride is a red emitting fluorescent dye for labeling of amino-groups in peptides, proteins, and oligonucleotides[1].

[1]. Brugada-Vilà P, et al. Oligopeptide-modified poly(beta-amino ester)s-coated AdNuPARmE1A: Boosting the efficacy of intravenously administered therapeutic adenoviruses. *Theranostics*. 2020;10(6):2744-2758. Published 2020 Feb 3.

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

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