

Product Data Sheet

Product Name: FAM DBCO, 6-isomer

Cat. No.: GC59141

Chemical Properties

Cas. No.

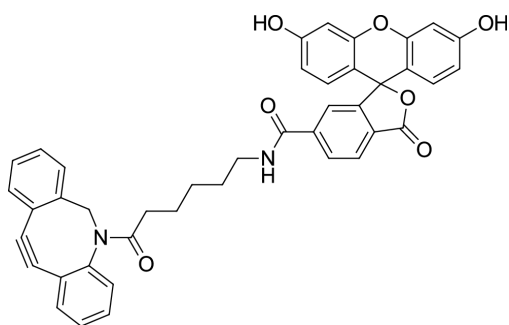
Formula $C_{42}H_{32}N_2O_7$ M.Wt 676.71

Solubility good in DMF, DMSO Storage Store at -20°C, protect from light

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

Fluorescein (FAM) is one of the oldest yet well known fluorescent dyes. This derivative of FAM contains cyclooctyne group (dibenzocyclooctyne, abbreviated as DBCO or ADIBO) for the conjugation with azides via copper-free, strain-promoted azide alkyne cycloaddition (spAAC).

FAM DBCO can be used for the labeling of proteins, peptides, nucleic acids, and other molecules containing azide groups. Azides react with DBCO spontaneously upon simple mixing. The reaction does not require any catalysts, and it is very efficient.

Fluorescein can be detected using a variety of different instruments.

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

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