

Dansyl chloride [5-Dimethylaminonaphthalene-1-sulfonyl chloride]

Cat. No. DYE-27 Lot. No. (See product label)

SPECIFICATION

Product Overview

Description

Dansyl chloride is non-fluorescent until it reacts with amines. The resulting Dansyl amides have environmentally sensitive fluorescence quantum yields and emission maxima along with large Stokes shifts. This environment-sensitive fluorescence property has made Dansyl chloride an important tool for biophysical studies. It is particularly useful for preparing fluorescent drug or ligand analogs that are expected to bind to hydrophobic sites in proteins or membranes or other biological receptors. Dansyl protein conjugates have fluorescence lifetimes of 10-20 nanoseconds.

CAS number 605-65-2

Molecular Mass 269.75

Formula C₁₂H₁₂ClNO₂S

Ex(nm) 372

Solvent DMF

Storage Store at -20°C in the dark. Dessicated.

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