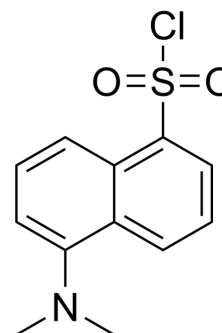


Dansyl chloride

Cat. No.:	HY-D0017
CAS No.:	605-65-2
Molecular Formula:	C ₁₂ H ₁₂ ClNO ₂ S
Molecular Weight:	269.75
Target:	Fluorescent Dye
Pathway:	Others
Storage:	4°C, protect from light, stored under nitrogen * The compound is unstable in solutions, freshly prepared is recommended.



SOLVENT & SOLUBILITY

In Vitro

DMSO : 4.17 mg/mL (15.46 mM; ultrasonic and warming and heat to 60°C)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	3.7071 mL	18.5357 mL	37.0714 mL
	5 mM	0.7414 mL	3.7071 mL	7.4143 mL
	10 mM	0.3707 mL	1.8536 mL	3.7071 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Dansyl chloride is a reagent that reacts with primary amino groups in both aliphatic and aromatic amines to produce stable blue- or blue-green-fluorescent sulfonamide adducts. Dansyl chloride is widely used to modify amino acids; specifically, protein sequencing and amino acid analysis. It can also be used to label hydroxyl and carboxylic acid functional groups.

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

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