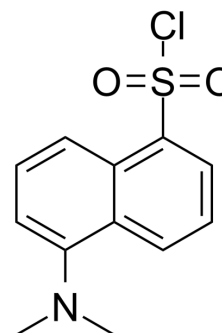


## Dansyl chloride

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



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 12.5 mg/mL (46.34 mM; ultrasonic and warming and heat to 60°C)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	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 produces stable blue or blue-green fluorescent sulfonamide adducts in the reaction of aliphatic and aromatic amines with primary amino groups, and is widely used for modified amino acids, protein sequencing and amino acid analysis<sup>[1]</sup>.

### REFERENCES

[1]. Gray W R. [12] Dansyl chloride procedure[M]//Methods in enzymology. Academic Press, 1967, 11: 139-151.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA