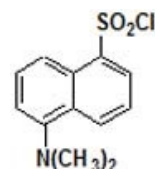


Dansyl chloride

Amine-reactive fluorescent probe for peptides analysis and sequencing

Product Description

Name :	Dansyl chloride (DNSC) 5-(Dimethylamino)-1-naphthalenesulfonyl chloride 1-Naphthalenesulfonyl chloride, 5-dimethylamino-
Catalog Number :	FP-01395A 1 g
CAS :	605-65-2
Structure :	C ₁₂ H ₁₂ N ₂ ClNO ₃ S
Molecular Weight :	MW= 269,75
Solubility:	DMF, CH ₃ CN and CHCl ₃
Absorption / Emission :	$\lambda_{exc}/\lambda_{em}$ (n-butylamine) = 341/490nm
Storage:	-20°C Protect from light and moisture



Introduction

This product 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. It can also be used to label hydroxyl and carboxylic acid functional groups.

Directions for use

Guidelines for use

Protocol may be found in the literature.

References

- **Beyth N. et al.**, Polyethyleneimine nanoparticles incorporated into resin composite cause cell death and trigger biofilm stress *in vivo*, *PNAS*, 107: 22038 – 22043 (2010) [Article](#)
- **Durbin D. et al.**, Lipid-free apolipoproteins A-I and A-II promote remodeling of reconstituted high density lipoproteins and alter their reactivity with lecithin:cholesterol acyltransferase, *J. Lipid Res.*, 40: 2293 – 2302 (1999) [Article](#)
- **Prakash C. et al.**, Metabolism, Pharmacokinetics, and Excretion of a Nonpeptidic Substance P Receptor Antagonist, Ezlopitant, in Normal Healthy Male Volunteers: Characterization of Polar Metabolites by Chemical Derivatization with Dansyl Chloride, *Drug Metab. Dispos.*, 35: 1071 – 1080 (2007) [Article](#)
- **Rato C. et al.**, Translational recoding as a feedback controller: systems approaches reveal polyamine-specific effects on the antizyme ribosomal frameshift, *Nucleic Acids Res.*, 39: 4587 – 4597 (2011) [Article](#)

Technical and scientific information

Related / associated products and documents

See [Products Highlights](#), [BioSciences Innovations catalogue](#) and [e-search tool](#).

- Sodium carbonate decahydrate, [141350](#)
- Dansyl aziridine, [FP-47514A](#)
- Dansyl hydrazine, [FP-11658A](#)

Ordering information

[Catalog size quantities and prices may be found at www.interchim.com/](http://www.interchim.com/)

Please inquire for higher quantities (availability, shipment conditions).

For any information, please ask : FluoProbes® / Interchim; Hotline : +33(0)4 70 03 73 06

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