Dansyl cadaverine

Lysosomotropic fluorescent Probe for derivatization of Aldehydes, Ketones and Carboxylic acids

Product Description

**Name:** Dansyl cadaverine
N-(5-Aminopentyl)-5-dimethylaminonaphthalen-1-sulfonamide

**Catalog Number:**
- FP-75581A 100 mg
- FP-75581B 250 mg
- FP-75581C 1 g

**CAS:** 10121-91-2

**Structure:**

![Structure](image)

**Molecular Weight:** MW = 335.46

**Solubility:** DMSO, DMF, Methanol

**Absorption / Emission:**

\[ \lambda_{\text{exc}} / \lambda_{\text{em}} \text{ (methanol)} = 335/518 \text{nm} \]

**Storage:** -20°C  Protect from light and moisture

Introduction

FluoProbes cadaverines are popular fluorescent transglutaminase substrates to label proteins by transamidination. Has also been used to prepare other small fluorescent biomolecules via amidation or reductive amination.

Directions for use

For best results, pre-swell resin with dichloromethane (DCM) for 10 minutes.

Protocol may be found in the literature.

References

- Bahl N. *et al.*, Delineation of Lipopolysaccharide (LPS)-binding Sites on Hemoglobin: FROM IN SILICO PREDICTIONS TO BIOPHYSICAL CHARACTERIZATION, J. Biol. Chem., 286: 37793 - 37803 (2011) [Article](#)
Technical and scientific information

Related products

- Sodium carbonate decahydrate, 141350
- Dansyl hydrazine, FP-11658A
- Dansyl aziridine, FP-47514A

Ordering information

Catalog size quantities and prices may be found at 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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