

Dansylcadaverine, Autophagic vacuole dye

Catalog	Unit
TBI2847-100MG	100 mg
TBI2847-250MG	250 mg

Product Details

Formal Name: N-(5-Amino-pentyl)-5-dimethylaminonaphthalene-1-sulfonamide

Alternate Names: Monodansyl cadaverine; MDC

Molecular Formula: C₁₇H₂₅N₃O₂S

Formula Weight: 335.46

CAS Number: 10121-91-2

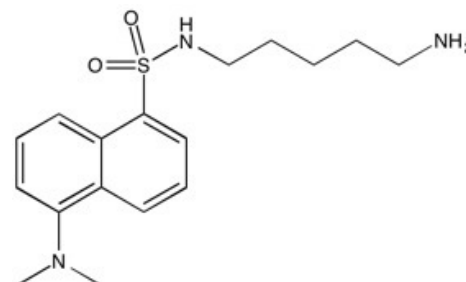
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 10 mg/ml with warming) or in Methanol (up to 10 mg/ml)

Storage: -20°C / protect from light

Stability: ≥ 1 year.



Applications

Autophagic vacuole dye

Functions

Preferentially accumulates in autophagic vacuoles due to a combination of ion trapping and specific interactions with membrane lipids making it a very useful probe for monitoring autophagy. Inhibits EGF internalization. Competes with certain trans-aminases and can be used with antibody/affinity procedures to isolate resulting conjugates. Abs: 335 nm, Em: 510 nm

Application Procedures

First dissolved in DMSO (up to 10 mg/ml with warming) or in Methanol (up to 10 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or Methanol may be stored at -20°C for up to 1 month.

For research use only.