



Use/Importance: The acid and its derivs. cont. the fluorescent dansyl chromophore and are used in fluorimetric analysis

Physical Description: Leaflets + 1H₂O

Other Data: Green fluor. in soln.

Aldrich: 19434-4

Sigma: D7882

>> **Derivative:** *N,N*-Di-Me, chloride

>> **Derivative:** *N,N*-Di-Me, hydrazide

Synonym(s): Dansylhydrazine

CAS Registry Number: 33008-06-9

Molecular Formula: C₁₂H₁₅N₃O₂S

Molecular Weight: 265.335

Accurate Mass: 265.088497

Percentage Composition: C 54.32%; H 5.70%; N 15.84%; O 12.06%; S 12.09%

Use/Importance: Fluorimetric reagent for detn. of carbonyl compds. and reducing sugars

Melting Point: Mp 128-130°

Aldrich: 25997-7

Fluka: 30434

Sigma: D7634

>> **Derivative:** *N,N*-Di-Me, amide

Synonym(s): Dansylamide

CAS Registry Number: 1431-39-6

Molecular Formula: C₁₂H₁₄N₂O₂S

Molecular Weight: 250.321

Accurate Mass: 250.077598

Percentage Composition: C 57.58%; H 5.64%; N 11.19%; O 12.78%; S 12.81%

Melting Point: Mp 218-221°

Aldrich: 21889-8

Fluka: 39225

Sigma: D3882

>> **Derivative:** *N,N*-Di-Me, fluoride

>> **Derivative:** *N,N*-Di-Me, azide