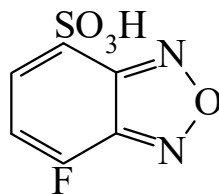




>>Entry Name: 7-Fluoro-4-benzofurazansulfonic acid, 9Cl

Synonym(s): 7-Fluoro-2,1,3-benzoxadiazole-4-sulfonic acid



CAS Registry Number: 91575-54-1

Molecular Formula: $C_6H_3FN_2O_4S$

Molecular Weight: 218.165

Accurate Mass: 217.979756

Percentage Composition: C 33.03%; H 1.39%; F 8.71%; N 12.84%; O 29.33%; S 14.70%

>>Derivative: NH_4 salt

CAS Registry Number: 84806-27-9

Use/Importance: Fluorogenic reagent for thiols

Physical Description: Needles (MeCN/EtOH)

Melting Point: Mp 280 dec.°

Fluka: 46640

Sigma: F4383

>>Derivative: Amide

Synonym(s): 7-Fluoro-4-benzofurazansulfonamide, 9Cl. 4-Aminosulfonyl-7-fluoro-2,1,3-benzoxadiazole

CAS Registry Number: 91366-65-3

Molecular Formula: $C_6H_4FN_3O_3S$

Molecular Weight: 217.18

Accurate Mass: 216.99574

Percentage Composition: C 33.18%; H 1.86%; F 8.75%; N 19.35%; O 22.10%; S 14.76%

Use/Importance: Fluorogenic reagent for thiols

Melting Point: Mp 145-146°

Sigma: F3639

References:

- Imai, K. *et al.*, *Anal. Biochem.*, 1983, **128**, 471, (*synth, use*)
Toyooka, T. *et al.*, *J. Chromatogr.*, 1983, **282**, 495, (*use*)
Toyooka, T. *et al.*, *Anal. Chem.*, 1984, **56**, 2461, (*deriv, synth, use*)
Sueyoshi, T. *et al.*, *J. Biochem. (Tokyo)*, 1985, **97**, 1811, (*use*)
Imai, K. *et al.*, *Methods Enzymol.*, 1987, **143**, 67, (*use, rev*)