

Ammonium 7-Fluoro-2,1,3-benzoxadiazole-4-sulfonate

Art. ID	TRC-A634000-25MG
Unit	25 mg
Deliverydetails	No Dangerous Good /not restricted

Description

Category: Fluorescent Labels and Indicators, MTS and Sulfhydryl Active Reagents /// Appearance: Yellow Solid ///

Application Notes: A water soluble bifunctional fluorogenic reagent for the sensitive and specific detection of thiols in biological specimens or proteins. SBD-F has high reactivity to thiol compounds to attain low detection limits, no fluorescence in itself, biological buffer solubility, stability at RT in water for >1 week. The optimal condition for reaction was 60°C and pH 9.5 for 1 h. Please refer to the following references for more specific information regarding the application of SBD-F as a fluorogenic reagent for detection of cysteine containing peptides. Fluorescence: max Abs. λ = 380 nm, max Em. λ = 515 nm, Molar Abs. > 4x10³ (ca. 317nm) ///

References: Imai, K., et al.: Anal. Biochem., 128, 471 (1983)| Sueyoshi, T., et al.: J. Biochem., 97, 1811 (1985), Lagana, A., et al.: Anal. Biochem., 215, 266 (1993)| Singh, B.K., et al.: J. Liq. Chromatogr., 17, 4469 (1994)| Bishop, A.P., et al.: Free Radical Biol. Med., 18, 617 (1995)|

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
	Ammonium 7-Fluoro-2,1,3 -benzoxadiazole-4-sulfo nate	[84806-27-9]				