NBD Fluoride

NBD fluoride (4-Fluoro-7-nitrobenzo-2-oxa-1,3-diazole) is similar to NBD chloride (90045) except that the former is much more reactive toward amines.

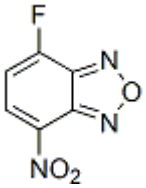
Product attributes

Excitation/Emission	465/535 nm (reaction product with primary amine); 485/540 nm (reaction product with secondary amine)

Product Description

NBD fluoride (4-Fluoro-7-nitrobenzo-2-oxa-1,3-diazole) is similar to NBD chloride (90045) except that the former is much more reactive toward amines. Both reagents are nonfluorescent until they react with primary or secondary amines to produce a fluorescent product. NBD chloride and NBD fluoride have been extensively used as derivatizing reagents for chromatography analysis of amino acids and low molecular weight amines.

- $\lambda_{Ex}/\lambda_{Em}$ (MeOH) = 465/535 nm (for reaction product with primary amines); 485/540 nm (for reaction product with secondary amines)
- Yellow solid soluble in DMF
- Store at -20°C and protect from light
- $C_6H_2FN_3O_3$
- MW:183



References

1. Anal Chim Acta 130, 377 (1981).

2. Biochem J 108, 155 (1968).

3. Anal Biochem 116, 471 (1981).

4. Anal Chim Acta 290, 3 (1994).