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NBD Chloride

NBD chloride (4-Chloro-7-nitrobenzo-2-oxa-1,3-diazole) is nonfluorescent until it reacts with primary or secondary amines to produce a fluorescent product. NBD chloride has been extensively used as a derivatizing reagent for chromatography analysis of amino acids and low molecular weight amines.

Product attributes

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

Product Description

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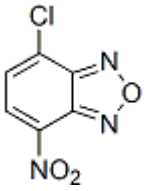
- $\lambda_{Ex}/\lambda_{Em}$(MeOH) = 465/535 nm (for reaction product with primary amines); 485/540 nm (for reaction product with secondary amines)
- Yellow solid soluble in DMF
- Store at -20°C and protect from light
- $C_6H_2ClN_3O_3$
- MW: 199.55



References

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2. Anal Biochem 116, 471 (1981).

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