

## Product Information Sheet

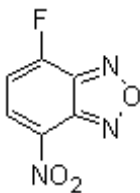
### Ordering Information

Product Number:	821
Product Name:	NBD-F [4-Fluoro-7-nitrobenzofurazan] *UltraPure grade*
Unit Size:	5 mg
Storage Conditions:	<-15 °C and kept from light and moisture
Expiration Date:	12 months upon receiving

### Chemical and Spectral Properties

Molecular Weight: 183.1

Chemical Structure:



Soluble in: DMSO

Excitation Wavelength: 467 nm

Emission Wavelength: 539 nm

### Application Notes

NBD-F has properties and applications similar to those of NBD-Cl. Upon reacting with amines and thiol compounds it generates the same fluorescent adducts as those of NBD-Cl. Compared with NBD-Cl, NBD-F is much more reactive, and should be more carefully stored. For example, the reaction of NBD fluoride with glycine is reported to be 500 times faster than the reaction of NBD chloride with glycine. Both NBD chloride and NBD fluoride are extensively used as derivatization reagents for chromatographic analysis of amino acids and other low molecular weight amines.