



NBD-X, SE (Succinimidyl 6-(N-(7-Nitrobenz-2-Oxa-1,3-Diazol-4-yl)Amino)Hexanoate)

Catalog Number	Packaging Size
C162	25 mg

**Storage upon receipt:** -20°C, protect from light

## Introduction

The amine-reactive **NBD-X, succinimidyl ester** can be used to create environment sensitive bioconjugates. NBD is a functional analog of the dinitrophenyl hapten, and its fluorescence is quenched upon binding to anti-dinitrophenyl (anti-DNP) antibodies.

## Specifications

<b>Label:</b>	NBD	
<b>Ex/Em:</b>	466/534 nm	
<b>Detection Method:</b>	Fluorescent	
<b>Solubility:</b>	DMSO, DMF	
<b>Molecular Formula:</b>	C <sub>16</sub> H <sub>17</sub> N <sub>5</sub> O <sub>7</sub>	
<b>Molecular Weight:</b>	391.34	
<b>CAS Number:</b>	145195-58-0	
<b>Storage Conditions:</b>	-20°C, protect from light	
<b>Shipping Condition:</b>	Room Temperature	

## Applications

Fluorescent labeling

## References:

1. Intracellular delivery of phosphoinositides and inositol phosphates using polyamine carriers.  
Ozaki S, DeWald DB, Shope JC, Chen J, Prestwich GD  
Proc Natl Acad Sci U S A (2000) 97:11286-11291
2. Synthesis and membrane binding properties of a lipopeptide fragment from influenza virus A hemagglutinin.  
Eisele F, Kuhlmann J, Waldmann H  
Chem Eur J (2002) 8:3362-3362
3. Solution conformation of a nitrobenzoxadiazole derivative of the polyene antibiotic nystatin: a FRET study.  
Silva L, Coutinho A, Fedorov A, Prieto M  
J Photochem Photobiol B (2003) 72:17-26