

NBD-X [6-(N-(7-nitrobenz-2-oxa-1,3-diazol-4-yl)amino)hexanoic acid]

Cat. No. DYE-72 Lot. No. (See product label)

SPECIFICATION

Product Overview

Description

The carboxylic acid of NBD-X (6-(N-(7-nitrobenz-2-oxa-1,3-diazol-4-yl)amino)hexanoic acid) can be activated in an aqueous solution with a water-soluble carbodiimide such as EDAC (E2247) in order to couple this environment sensitive fluorophore to amines, hydrazines or hydroxylamines on biomolecules of interest. NBD is a functional analog of the dinitrophenyl hapten, and its fluorescence is quenched upon binding to anti-dinitrophenyl (anti-DNP) antibodies.

CAS number

88235-25-0

Molecular Mass

294.26

Formula

C₁₂H₁₄N₄O₅

Ex(nm)

467

Em(nm)

539

Solvent

DMSO

Storage

Store at -20°C in the dark. Dessicated.

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