NBD-FPP

3,7,11-trimethyl-12-(7-nitro-benzo[1,2,5]oxadiazo-4-ylamino),
1-dodeca-2,6,10-trien-1 pyrophosphate

Fluorescent lipid donor for protein geranylgeranyltransferases (RabGGTase, GGTase-I)

**Cat. No.** LI-013  
**Amount** 20 µl

**Description:**
NBD-FPP is a fluorescent analog of farnesyl pyrophosphate (FPP). It serves as lipid donor for geranylgeranyltransferases (RabGGTase, GGTase-I). NBD-FPP changes its fluorescence upon binding to protein substrates and allows for efficient fluorescence based GGTase activity assays and inhibitor screening.

**Selected References:**


**Structural formula of NBD-FPP**

For *in vitro* use only!

**Shipping:** shipped on blue ice

**Storage Conditions:** store at -20 °C

**Additional Storage Conditions:** avoid freeze/thaw cycles, store dark

**Shelf Life:** 12 months

**Molecular Formula:** C_{21}H_{30}N_{4}O_{10}P_{2}

**Molecular Weight:** 560.43 g/mol

**Purity:** ≥ 95% (HPLC)

**Form:** liquid (Supplied as 1 mM solution in 25 mM (NH_{4})_{2}CO_{3})

**Concentration:** 1 mM

**Spectroscopic Properties:** λ_{exc} 480 nm; λ_{em} 530 nm; ε 11.0 L mmol⁻¹ cm⁻¹ (pH 7.5)