



Datasheet for ABIN5021889

NpFR1

5 Images



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Overview

Quantity: 1 mg

Product Details

Purpose: Reversible fluorescence intensity-based redox sensor

Formula: C23H21N5O4

Solubility: Soluble in DMSO

Target Details

Molecular Weight: 431.45

Application Details

Comment: Source: Synthetic.

Appearance: Red Solid

Restrictions: For Research Use only

Handling

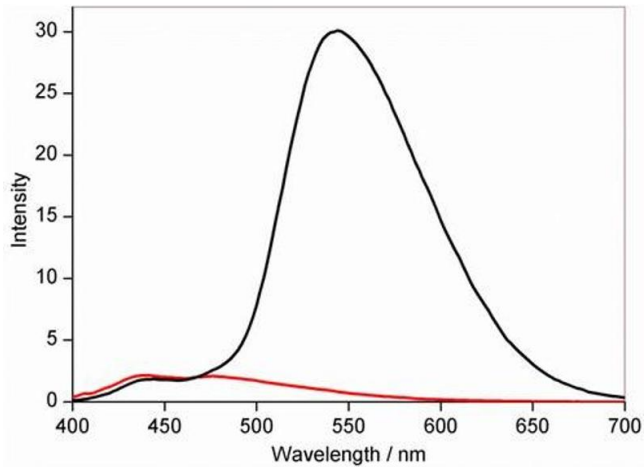
Format: Solid

Precaution of Use: Classification: Caution: Substance not yet fully tested. Safety Phrases: S22 - Do not breathe dust S24/25 - Avoid contact with skin and eyes S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection

Handling Advice: Classification: Caution: Substance not yet fully tested. Safety Phrases: S22 - Do not breathe dust S24/25 - Avoid contact with skin and eyes S36/37/39 - Wear suitable protective clothing,

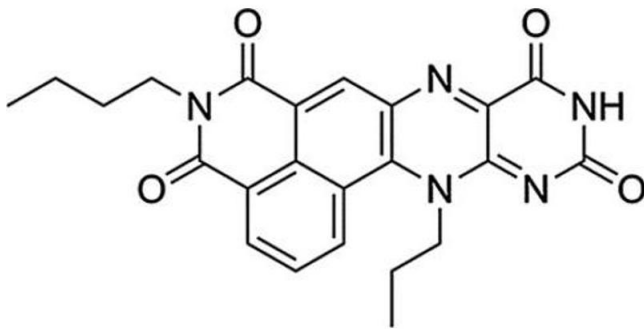
gloves and eye/face protection

Storage: -20 °C



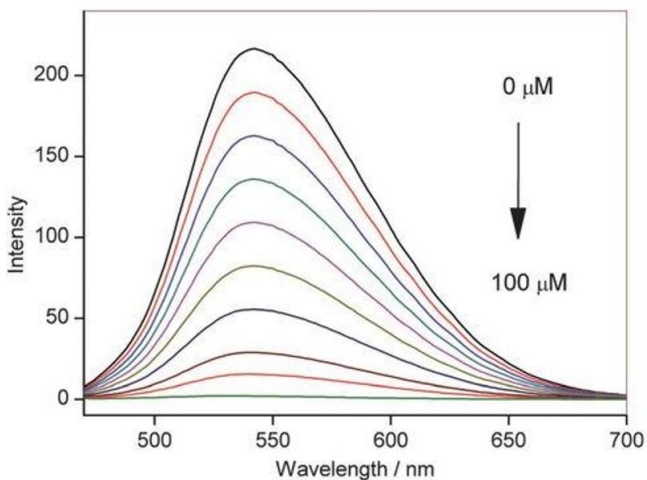
Immunofluorescence

Image 1. Fluorescence behavior of NpFR1 in the oxidized (black) and reduced (red) forms, using 50 μM . Excitation: 405 or 488 nm (not shown). Emission: 490 – 600 nm, with peak at 545 nm.



Molecule

Image 2. Chemical structure of NpFR1, a reversible fluorescence intensity-based redox sensor. This image is from Chem. Commun., 2014, 50, 8181, and licensed under a Creative Commons Attribution 3.0 Unported Licence (<http://creativecommons.org/licenses/by/3.0/>).



Immunofluorescence

Image 3. Fluorescence emission of NpFR1 with the incremental addition of sodium dithionite. All spectra were acquired in HEPES buffer (100 mM, pH 7.4). This image is from Chem. Commun., 2014, 50, 8181, and licensed under a Creative Commons Attribution 3.0 Unported Licence (<http://creativecommons.org/licenses/by/3.0/>).

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN5021889.