

FUJIFILM**Wako**

Code No. 181-03521 (1 mg)

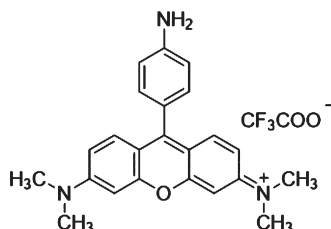
RH-NH₂

Acetyl-CoA, produced through pyruvate decarboxylation in the aerobic respiration metabolic pathway at the matrix of mitochondria, is used as a general cellular acetylating agent. Despite the importance of acetyl-CoA in many essential biological processes, such as energy metabolism, there is no current live-imaging method for monitoring acetyl-CoA in cells.

This product is a fluorescent probe that reacts with acetyl-CoA in the presence of tributylphosphine as an acyl transfer promoter.

[Appearance]

Dark green, Crystalline powder

[Structure]**[Molecular formula]**C₂₅H₂₄F₃N₃O₃**[Molecular weight]**

471.47

[Solubility]

DMSO, Methanol and Ethanol

[Ex/Em]546 nm/570 nm (RH-NH₂), 553 nm/572 nm (RH-NHAc)**[Storage]**

Store in the dark at -20°C, under inert gas

[Package]

1 mg

[Reference]1) Kanai, M., *et al. Chem. Commun.*, **49**, 2876 (2013).**FUJIFILM Wako Pure Chemical Corporation**

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