

Code No. 181-03521 (1 mg)

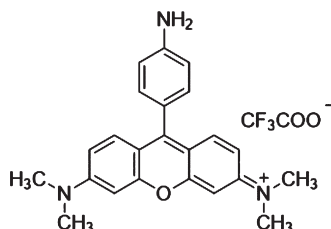
**RH-NH<sub>2</sub>**

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】**

C<sub>25</sub>H<sub>24</sub>F<sub>3</sub>N<sub>3</sub>O<sub>3</sub>

**【Molecular weight】**

471.47

**【Solubility】**

DMSO, Methanol and Ethanol

**【Ex/Em】**

546 nm/570 nm (RH-NH<sub>2</sub>), 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).

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