

FUJIFILM**Wako**

Code No. 028-17811 (1 mg)

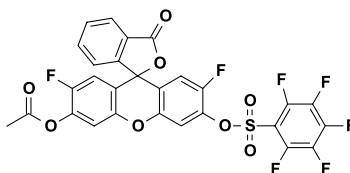
BES-H₂O₂-Ac

Reactive oxygen species (ROS) such as superoxide (O₂⁻), hydrogen peroxide (H₂O₂) and the hydroxyl radical (HO) are important mediators of pathological processes in various diseases. 2',7'-Dichlorofluorescein (DCFH) and its diacetyl derivative have been widely used as fluorescent probes for measuring cell-derived H₂O₂, but these compounds suffer from the major drawback that they are poorly selective toward H₂O₂.

This product is a fluorescent probe that reacts highly selectively to hydrogen peroxide.

Appearance : White ~ Slightly brown, Crystalline powder ~ Powder

Structure :



Molecular formula : C₂₈H₁₁F₇O₈S

Molecular weight : 640.44

Solubility : DMSO, DMF and Acetonitrile

Ex/Em : 485 ± 20 nm/ 515 ± 20 nm

[Storage] Store at RT in the dark

[Package] 1 mg

[References]

- 1) Maeda, H., *et al.* : *Angew. Chem. Int. Ed.*, **43**, 239 (2004)
- 2) Maeda, H., *et al.* : *Chem. Pharm. Bull.*, **49**, 294 (2001)

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