

FUJIFILM**Wako**

Code No. 024-18751 (1 mg)

BES-H₂O₂ (Cell-impermeant)

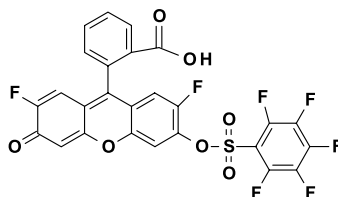
Reactive oxygen species (ROS) such as superoxide (O₂⁻), hydrogen peroxide (H₂O₂), and the hydroxyl radical (HO·) are important mediators of pathological processes in various diseases. 2',7'-Dichlorofluorescein (DCFH) and its diacetyl derivative have been widely used as fluorescent probes for measuring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

This product is a cell-impermeant probe that reacts highly selectively to hydrogen peroxide.

This product is for laboratory use only ; use in any such application is the responsibility of users.

Appearance : White~Brown, Crystalline powder~Powder

Structure :



Molecular formula : C₂₆H₉F₇O₇S

Molecular weight : 598.40

Solubility : Methanol and Acetonitrile

Ex/Em : 488 ± 20 nm/515 ± 550 nm

Storage : RT in the dark

Package : 1 mg

References : Maeda, H. : *Angew. Chem. Int. Ed.*, **43**, 239 (2004)
Maeda, H. : *Chem. Pharm. Bull.*, **49**, 294 (2001)

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