

**FUJIFILM****Wako**

Code No. 025-18921 (1 mg)

## BES-So (Cell-impermeant)

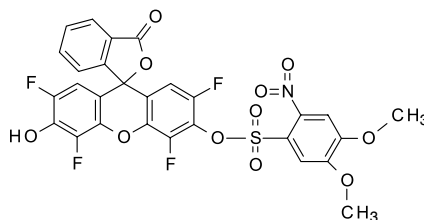
Reactive oxygen species (ROS) are related to accelerated aging, as well as various diseases such as diabetes, hypertension, and arteriosclerosis. Superoxide ( $O_2^{\cdot -}$ ) is one of the ROS and is positioned on the most upstream side of ROS.

This product has a higher specificity for  $O_2^{\cdot -}$  than Dihydroethidium, which is widely used as a fluorescent probe for  $O_2^{\cdot -}$ . In addition, the specificity for  $O_2^{\cdot -}$  is higher than GSH, other ROS,  $Fe^{2+}$ , and some reducing enzymes.

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

**Appearance :** White ~ Brown, Crystalline Powder ~ Powder

**Structure :**



**Molecular formula :**  $C_{28}H_{15}O_{11}NF_4S$

**Molecular weight :** 649.48

**Solubility :** Acetonitrile

**Ex/Em :** 505 nm/544nm

**Storage :** Room temperature in a dark place

**Package :** 1 mg

### References

- 1) Maeda, H., *et al.* : *J. Am. Chem. Soc.*, **127**, 68 (2005)
- 2) Maeda, H., *et al.* : *Chem. Eur. J.*, **13**, 1496 (2007)

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