

FUJIFILM**Wako**

Code No. 021-17801 (1 mg)

BES-So-AM

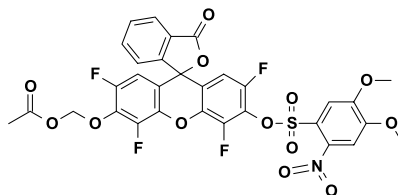
Since superoxide (O_2^-) is a reactive oxygen having weak cytotoxicity, it is getting attention as a molecule positioned on the uppermost stream side of various reactive oxygen species.

Superoxide is detected based on different chemiluminescence and fluorescence methods. Among these detection methods, hydroethidine is commonly used but existing probes that include hydroethidine are known to have low selectivity for superoxide.

This product shows fluorescence after cellular uptake. The deacetoxyethyl compound by the action of cellular esterase responds to superoxide.

Appearance : White ~ Slightly yellow,
Crystalline powder ~ Powder

Structure :



Molecular formula : $C_{31}H_{19}F_4NO_{13}S$

Molecular weight : 721.54

Solubility : DMSO

Ex/Em : 505 nm/ 544 nm

[Storage] Store at RT in the dark

[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**, 1946 (2007)

FUJIFILM Wako Pure Chemical Corporation

1-2, Doshomachi 3-Chome, Chuo-Ku, Osaka 540-8605, Japan
Telephone : + 81-6-6203-3741
Facsimile : + 81-6-6201-5964
<http://fwk.fujifilm.co.jp>

FUJIFILM Wako Chemicals U.S.A. Corporation

1600 Bellwood Road
Richmond, VA 23237
U.S.A.
Telephone : + 1-804-271-7677
Facsimile : + 1-804-271-7791
<http://www.wakousa.com>

FUJIFILM Wako Chemicals Europe GmbH

Fuggerstrasse 12
D-41468 Neuss
Germany
Telephone : + 49-2131-3111-0
Facsimile : + 49-2131-311100
<http://www.wako-chemicals.de>

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