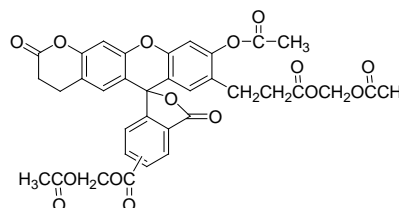
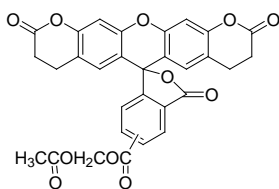
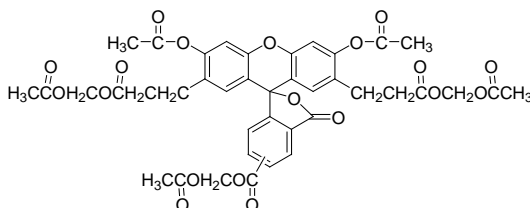


## PRODUCT AND SAFETY DATA SHEET

**PRODUCT NAME:** BCECF, AM ester 1mg/ml in anhydrous DMSO**CATALOG #:** 51009**MOLECULAR INFORMATION:** BCECF AM ester is a mixture of three components, the structures of which are shown below. MWt: N/A**PROPERTIES:**

<b>Color &amp; Form</b>	Off-white liquid
<b>Purity</b>	≥ 95% by TLC
<b>Solubility</b>	N/A
<b>Absorption/Emission</b>	$\lambda_{\text{abs}} < 300\text{nm}$ (before hydrolysis); $\lambda_{\text{abs}}/\lambda_{\text{em}} = 503/528\text{ nm}$ (pH 9, after hydrolysis).
<b>Extinction Coefficient</b>	N/A

**STORAGE AND HANDLING:**

Store desiccated at -20 °C. Protect from light, especially when in solution.

**APPLICATION:**Membrane-permeant form of BCECF that can be loaded into cells via incubation. Once in the cells, BCECF/AM is readily hydrolyzed by cytosolic esterases to BCECF. See BCECF acid (**51010**) for more information on BCECF.

Ref: 1) Ho, A.K., et al. *Am. J. Physiol.* **261**, C642(1991); 2) Futsaetner, C.M., et al. *Can. J. Microbiol.* **39**, 180(1993); 3) Shepherd, R.M., et al. *Am. J. Physiol.* **262**, C182(1992); 4) Hayasi, H., et al. *Am. J. Physiol.* **262**, C628(1992); 5) Weiner, I.D. and Hamm, L.L. *Am. J. Physiol.* **256**, F957(1989).

**TOXICITY:**

Unknown

**FIRST AID:**

Potentially harmful. Avoid prolonged or repeated exposure. Avoid getting in eyes, on skin, or on clothing. Wash thoroughly after handling. If eye or skin contact occurs, wash affected areas with plenty of water for 15 minutes and seek medical advice. In case of inhaling or swallowing, move individual to fresh air and seek medical advice immediately.

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