

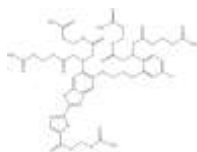
**PRODUCT: FURA-5F/AM**

**ALTERNATE NAME:** Bis(acetoxymethyl) 2,2'-((2-(5-((acetoxymethoxy)carbonyl)oxazol-2-yl)-5-(2-(2-(bis(2-(acetoxymethoxy)-2-oxoethyl)amino)-5-fluorophenoxy)ethoxy)benzofuran-6-yl)azanediyl)diacetate

**CATALOG #:** 9551-50, set

**AMOUNT:** 50 µg, 5 x 50 µg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>43</sub>H<sub>44</sub>FN<sub>3</sub>O<sub>24</sub>

**MOLECULAR WEIGHT:** 1005.81

**CAS NUMBER:** N/A

**APPEARANCE:** Yellow solid

**SOLUBILITY:** DMSO

**PURITY:** ≥90% by HPLC

**STORAGE:** Store at -20°C. Protect from air and light

**DESCRIPTION:** FURA-5F/AM is a fluorescent cell membrane-permeant form of FURA-2 (Cat. No. 2243) that can be loaded into the cell where it is hydrolysed by cytosolic esterases and trapped as the active chelator.  $\lambda_{max}$ : 370± 3 nm (EtOAc);  $\lambda_{em}$ : 477± 4 nm (EtOAc).

**REFERENCES:** Mace, L.C., *et al.* (2003). *J. Appl. Physiol.* **95**, 1994-2003

**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

**RELATED PRODUCTS:**

BAPTA AM (Cat. No. 2242-5, 25)

FURA-2/AM (Cat. No. 243-1,1 EA)

FURA-4F/AM (Cat. No. 9550-50, set)

FURA-5F/AM (Cat. No. 9551-50, set)

**USAGE:** **FOR RESEARCH CH USE ONLY! Not to be used in humans**