

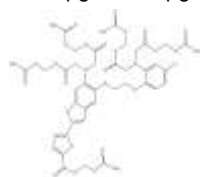
PRODUCT: FURA-4F/AM

ALTERNATE NAME: Bis(acetoxymethyl) 2,2'-((2-(5-((acetoxymethoxy)carbonyl)oxazol-2-yl)-5-(2-(2-(bis(2-(acetoxymethoxy)-2-oxoethyl)amino)-4-fluorophenoxy)ethoxy)benzofuran-6-yl)azanediyl)diacetate

CATALOG #: 9550-50, set

AMOUNT: 50 µg, 5 x 50 µg

STRUCTURE:



MOLECULAR FORMULA: C₄₃H₄₄FN₃O₂₄

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-4F AM is a fluorescent intracellular ratiometric calcium indicator analog of FURA-2 (Cat. No. 2243) for detection of higher Ca²⁺ concentrations. λ_{max}: 370± 3 nm (EtOAc); λ_{em}: 475± 4 nm (EtOAc).

REFERENCES: Sorensen, J.B., *et al.* (2003). *E. J.Gen. Physiol.* **122**, 265-276.

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**