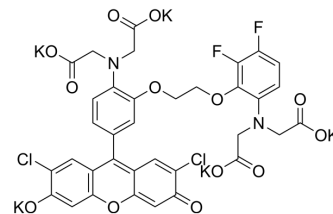


## Fluo-3FF pentapotassium

Cat. No.:	HY-D1447
CAS No.:	348079-14-1
Molecular Formula:	C <sub>35</sub> H <sub>21</sub> Cl <sub>2</sub> F <sub>2</sub> K <sub>5</sub> N <sub>2</sub> O <sub>13</sub>
Molecular Weight:	981.94
Target:	Fluorescent Dye
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Fluo-3FF pentapotassium is a cell-permeable acetoxymethyl ester of Fluo-3FF, a fluorescent calcium indicator. Fluo-3FF is a di-fluorinated analog of Fluo-3 with a 100-fold lower affinity than Fluo-3 for calcium ( $K_d$ s = 42 and 0.4  $\mu$ M, respectively). For its low affinity, Fluo-3FF is used for studying compartments with high concentrations of calcium, such as endoplasmic reticulum, where high affinity dyes will be insensitive to luminal fluctuations.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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