

Product Data Sheet

Product Name: Fluo-3 (sodium salt)

Cat. No.: GC43683

Chemical Properties

Cas. No.

SMILES O=C1C(Cl)=CC(C(O2)=C1)=C(C3=CC=C(N(CC([O-])=O)CC([O-])=O)C(OCCOC4=C(N(CC([O-])=O)CC([O-])=O)C=CC(C)=C4)=C3)C5=C2C=C([O-])C(Cl)=C5.[Na+].[Na+].[Na+].[Na+].[Na+]

Formula C₃₆H₂₅Cl₂N₂O₁₃•5Na

M.Wt 879.4

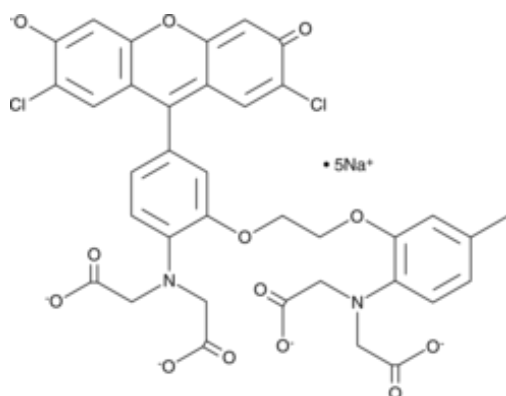
Solubility Water: soluble

Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure



Background

Fluo-3 is a fluorescent calcium indicator commonly used in flow cytometry and cell-based

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

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experiments to detect changes in intracellular calcium levels. Its absorption maximum at 506 nm makes it compatible with excitation at 488 nm by argon-ion laser sources. Fluo-3 provides intense fluorescence upon binding calcium, detected at a maximum emission at 526 nm which can be monitored by FL1 (green, 525 nm band pass) sensors in flow cytometry.

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