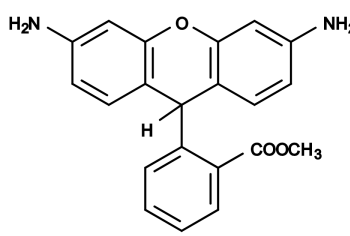
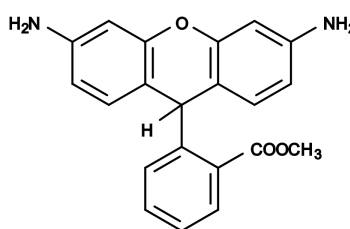


Dihydrorhodamine 123 *CAS 109244-58-8*Catalog number: 15206, 15207
Unit size: 10 mg, 5X1 mg**Product Details**

Storage Conditions	Freeze ($-15\text{ }^{\circ}\text{C}$), Minimize light exposure
Expiration Date	12 months upon receiving

Chemical Properties

Appearance	Pink solid
Molecular Weight	346.38
Soluble In	DMSO
Chemical Structure	

**Spectral Properties**

Excitation Wavelength	508 nm
Emission Wavelength	528 nm

Applications

Dihydrorhodamine 123 is by far the most-used probe for measurement of intracellular H₂O₂. DHR 123 is oxidized directly to rhodamine 123, which is excitable at 488 and emits at 515 nm in the same emission range as FITC. It is widely used in human neutrophils, human eosinophils, HL60 cells, rat mast cells, guinea pig neutrophils, cultured chondrocytes, rat brain, rat renal proximal tubular cells, mesangial cells and L929 cells. In combination with other fluorescent reagents (such as surface receptor analysis by fluorescent antibodies, cell viability using propidium iodide, and calcium indicators) this probe can be used for multiplex measurements.