Dihydrorhodamine 123 *5 mM solution in DMSO*

Cat. No. DYE-171 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Description	DHR is a cell-permeable fluorogenic probe that is used as an indicator of intracellular peroxynitrite formation.It is oxidized by peroxynitrite to the highly fluorescent product rhodamine in vitro. Neither nitric oxide, superoxide, nor hydrogen peroxide alone appear to oxidize DHR.Formation of rhodamine can be monitored by fluorescence spectroscopy using excitation and emission wavelengths of 500 and 536 nm, respectively, or by absorbance spectroscopy at 500 nm (ε = 78,800 M?1cm?1). DHR has been used to investigate reactive oxygen intermediates produced by endothelial cells, eosinophils, and reactive microglia.
CAS number	109244-58-8
Molecular Mass	346.38
Formula	C21H18N2O3
Ex(nm)	507
Em(nm)	529
Solvent	DMSO
Storage	Store at -20°C in the dark. Dessicated.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA