
Dihydrorhodamine 123

产品编号: D-9112

CAS: 109244-58-8

保存条件: Store at -20°C, protect from light.

产品介绍: Dihydrorhodamine 123 is a fluorescent probe ($\lambda_{ex}=488$ nm, $\lambda_{em}=525$ nm).

Dihydrorhodamine 123 is the reduced form of rhodamine 123, which is a commonly used fluorescent mitochondrial dye. Dihydrorhodamine 123 itself is non-fluorescent, but it readily enters cells and is oxidized by oxidative species or by cellular redox systems to the fluorescent rhodamine 123 that accumulates in mitochondrial membranes (1).

Dihydrorhodamine 123 is useful for detecting reactive oxygen species including superoxide (in the presence of peroxidase or cytochrome c) (2,3) and peroxynitrite (4,5). Also see dihydrorhodamine 123 dihydrochloride, a more stable and water soluble form of dihydrorhodamine 123.