

Hydroethidine [Dihydroethidium]

Cat. No. DYE-166 **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Description Dihydroethidium, also known as hydroethidine, is a dye that can permeate viable cells and accumulate in the nucleus after it is dehydrogenated to ethidium bromide and is used to measure oxygen reduction in phagocytes during respiratory burst. In the presence of an oxidant it will fluoresce and has been used as a dye in flow cytometry. Studies have used Dihydroethidium to study alveolar macrophages, blood leukocytes, and epithelial cells, among others, and has been used to measure intracellular H₂O₂ and O₂⁻, and reactive oxygen.

CAS number 104821-25-2

Molecular Mass 315.41

Formula C₂₁H₂₁N₃

Ex(nm) 518

Em(nm) 605

Solvent DMSO

Storage Store at -20°C in the dark. Dessicated.

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