

Product Data Sheet

Product Name: EthD-III
Cat. No.: GC71779

Chemical Properties

Cas. No.

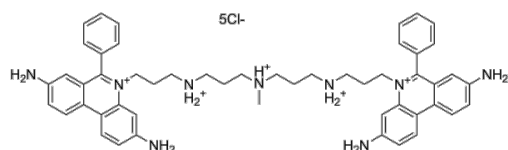
Formula $C_{51}H_{62}Cl_5N_9$ M.Wt 978.36

Solubility Storage

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

EthD-III is a nucleic acid probe. EthD-III is a red fluorescent stain that can be used to detect dead cells. EthD-III enters cells with damaged membranes and binds to nucleic acids, resulting in bright red fluorescence in dead cells (Ex/Em=530/645 nm).

References:

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

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- [1]. Anastassov I, et al. Cytoprotection by endogenous zinc in the vertebrate retina. J Neurochem. 2014 Apr;129(2):249-55.
- [2]. Horie T, et al. OmpA-Like Proteins of Porphyromonas gingivalis Mediate Resistance to the Antimicrobial Peptide LL-37. J Pathog. 2018 Dec 27;2018:2068435.

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