

Product Data Sheet

Product Name: MitoCLOx

Cat. No.: GC80357

Chemical Properties

Cas. No.

Formula $C_{50}H_{53}BBrF_2N_4O_2P$

M.Wt 901.67

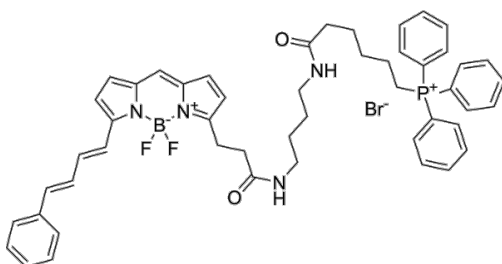
Solubility

Storage Store at -20°C, sealed storage, away from moisture and light

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

MitoCLOx is a mitochondria-targeted ratiometric fluorescent probe for measuring mitochondrial inner membrane lipid peroxidation [1].

In Vitro, MitoCLOx (200 nM; 4 h) is used to detect the level of mitochondrial lipid peroxidation in human MB135 myoblasts (green (480–560 nm) and red (595–640 nm) channels) [1].

References:

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

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[1]. Chernyavskij DA, et al. Mitochondrial Oxidative Stress and Mitophagy Activation Contribute to TNF-Dependent Impairment of Myogenesis. *Antioxidants* (Basel). 2023;12(3):602. Published 2023 Mar 1.

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