Product Data Sheet

Product Name: MitoCLox
Cat. No.: GC80357

Chemical Properties

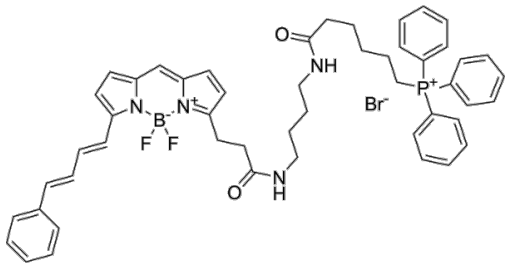
Cas. No.

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.
Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com
Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

[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.

Caution: Product has not been fully validated for medical applications. For research use only.
Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com
Address: 10292 Central Ave. #205, Montclair, CA, USA