

mBBR [Monobromobimane]

Cat. No. DYE-95 **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Description

mBBR is one of the most popular thiol-reactive fluorescent tags, and is widely used to detect various thiol-containing biomolecules such as glutathione in cells. It is fluorogenic upon reacting with thiol-containing molecules. mBBR is used for the determination of the redox status of low molecular weight and protein thiols in biological systems. MBBR-based in situ derivatization results in maximal recovery of both free, reduced low molecular weight and bromobimane accessible protein thiols. The quantitation of the corresponding adducts of protein thiols is achieved by fluorescence spectroscopy following protein precipitation.

CAS number

74235-78-2

Molecular Mass

271.11

Formula

C₁₀H₁₁BrN₂O₂

Ex(nm)

395

Em(nm)

490

Solvent

DMSO

Storage

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

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