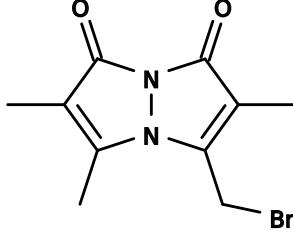


mBBr [Monobromobimane] *CAS 71418-44-5*Catalog Number: 633
Unit Size: 25 mg**Product Details**

Storage Conditions	Freeze (< -15 °C), Minimize light exposure
Expiration Date	12 months upon receiving

Chemical Properties

Appearance	Solid light yellow
Molecular Weight	271.11
Soluble In	DMSO
Chemical Structure	

Spectral Properties

Excitation Wavelength	395 nm
Emission Wavelength	490 nm

Applications

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.