

## Product Information Sheet

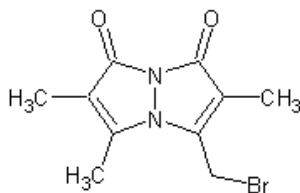
### Ordering Information

Product Number: 633  
Product Name: mBBr [Monobromobimane] \*UltraPure Grade\*  
Unit Size: 25 mg  
Storage Conditions: <-15 °C and kept from light and moisture  
Expiration Date: 12 months upon receiving

### Chemical, Physical and Spectral Properties

Molecular Weight: 271.11

Chemical Structure:



Appearance: Light yellow Solid  
Soluble in: DMF or DMSO  
Excitation Wavelength: 395 nm  
Emission Wavelength: 490 nm

### Application Notes

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.