Monobromobimane (ultra pure)

Thiol dye

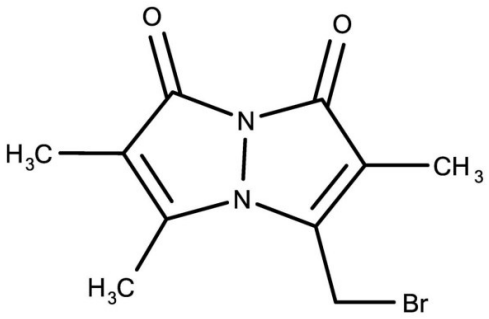
Monobromobimane (mBBr) is a thiol-reactive fluorescent probe used for the determination of the redox status of low molecular weight and protein thiols in biological systems. Monobromobimane-based *in situ* derivatization results in maximal recovery of both free, reduced low molecular weight and monobromobimane-accessible protein thiols. The quantitation of the corresponding adducts of protein thiols is achieved by fluorescence spectroscopy, following protein precipitation. The reagent is particularly useful for quantifying glutathione. Wavelength Maxima: Excitation 395nm, Emission 490nm

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ENZ-52501	25mg

Manuals, SDS & CofA View Online »


O
O
N
N
H3C
CH3
H3C
Br

Handling & Storage

Use/Stability	Stable for at least one year after receipt when stored as recommended.
Handling	Protect from light. Keep cool and dry.
Long Term Storage	-20°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	mBBr, 3-(Bromomethyl)-2,5,6-trimethyl-1H,7H-pyrazolo(1,2-α) pyrazole-1,7-dione
CAS	71418-44-5
Formula	$C_{10}H_{11}BrN_2O_2$
MW	271.1
Purity	≥95% (HPLC)
Solubility	Soluble in DMSO.
Technical Info / Product Notes	This product is a member of the CELLESTIAL® product line, reagents and assay kits comprising fluorescent molecular probes that have been extensively benchmarked for live cell analysis applications. CELLESTIAL® reagents and kits are optimal for use in demanding imaging applications, such as confocal microscopy, flow cytometry and HCS, where consistency and reproducibility are required.

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