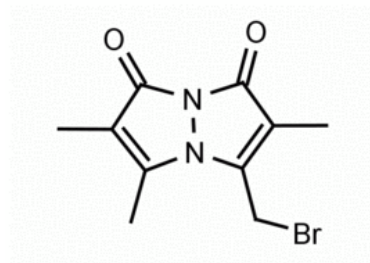


**Product Name: Monobromobimane**

**Catalog Number: M10060**



**Sizes Available:** 250 mg and larger sizes available

**Molecular weight:** 271.1 g/mol

**Molecular Formula:** C<sub>10</sub>H<sub>11</sub>BrN<sub>2</sub>O<sub>4</sub>

**CAS Number:** 71418-44-5

**Storage:** Store at -20 °C, under dry conditions.

**Synonyms:** Bromobimane, Monobromobimane, MBBR, 71418-44-5, Bimane monobromide, UNII-V23UK0CYXL, CHEBI:62825, V23UK0CYXL, 3-(bromomethyl)-2,5,6-trimethyl-1H,7H-pyrazolo[1,2-a]pyrazole-1,7-dione, 3-(Bromomethyl)-2,5,6-trimethyl-1H,7H-pyrazolo(1,2-a)pyrazole-1,7-dione, THIOLYTE®; MB Reagent, monobromo-bimane, Bromobimane, >=97%, Epitope ID:153547, SCHEMBL152679

**Fields of Interest**

**Fluorogenic Marker of Sulfur Metabolites**

1. [Determination of the in vivo redox status of cysteine, cysteinylglycine, homocysteine, and glutathione in human plasma](#)

Mansoor, Mohammad A.; Svardal, Asbjorn M.; Ueland, Per M.

Analytical Biochemistry (1992), 200(2), 218-29. S, DOI:10.1016/0003-2697(92)90456-H

2. [Modulation of the mitochondrial permeability transition pore by pyridine nucleotides and dithiol oxidation at two separate sites](#)

Costantini, Paola; Chernyak, Boris V.; Petronilli, Valeria; Bernardi, Paolo  
Journal of Biological Chemistry (1996), 271(12), 6746-51. DOI:10.1074/jbc.271.12.6746

3. [Background-free, high sensitivity staining of proteins in one- and two-dimensional sodium dodecyl sulfate-polyacrylamide gels using a luminescent ruthenium complex](#)

Berggren, Kiera; Chernokalskaya, Elena; Steinberg, Thomas H.; Kemper, Courtenay; Lopez, Mary F.; Diwu, Zhenjum; Haugland, Richard P.; Patton, Wayne F.  
From Electrophoresis (2000), 21(12), 2509-2521.

Hazardous Properties and Cautions: The toxicological and pharmacological properties of this compound are not fully known. For further information see the MSDS on request. **Monobromobimane** is manufactured, shipped according to standard practices, and intended for research and development in a laboratory utilizing prudent procedures for handling chemicals of unknown toxicity, under the supervision of persons technically qualified to evaluate potential risks and authorized to enforce appropriate health and safety measures. As with all research chemicals, precautions should be taken to avoid unnecessary exposures or risks.

Warranty and Disclaimer: Frontier Scientific, Inc. warrants the product conforms to the specifications stated herein. In the event of nonconformity, Frontier will replace products or refund purchase price, at its sole option, and Frontier shall not be responsible for any other loss or damage, whether known or foreseeable to Frontier. No other warranties apply, express or implied, including but not limited to warranty of fitness for any purpose or implied warranty of merchantability. Purchaser is solely responsible for all consequences of its use of the product and Frontier assumes no responsibility therefore, ) including success of purchaser's research and development, or health or safety of any uses of the product.