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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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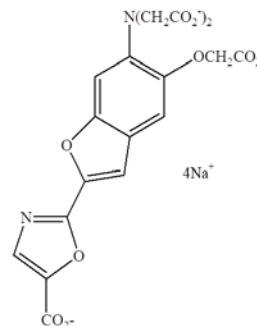
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PRODUCT AND SAFETY DATA SHEET

PRODUCT NAME: **Furaptra, tetrasodium salt** (also known as Mag-Fura-2, tetrasodium salt)**CATALOG #:** **50036****MOLECULAR INFORMATION:** $C_{18}H_{10}N_2Na_4O_{11}$
MW: 523**PROPERTIES:**

Color & Form	Light yellow solid
Purity	≥ 95% by HPLC
Solubility	Soluble in water (pH > 6)
Absorption/Emission	369nm/511nm (H ₂ O)
Extinction Coefficient	22,000

STORAGE AND HANDLING: Store desiccated at ≤ 4 °C. Protect from light.**APPLICATION:** Furaptra is a UV-excitable fluorescent indicator for magnesium with a K_d of 1.9 mM.^{1,2} Similar to Fura-2, the excitation wavelength of Mag-Fura-2 undergoes a blue shift from 369 nm to 330 nm. Mag-Fura-2 also responds to Ca^{2+} but with a significantly lower K_d than Fura-2 to Ca^{2+} . An important application of Mag-Fura-2 is its use in detecting high, transient Ca^{2+} concentration during Ca^{2+} spikes.^{3,4} Mag-Fura-2/tetrasodium salt can be loaded into cells by microinjection or scrape loading.Ref: 1) *Pro. Natl. Acad. Sci. USA* **86**, 2981(1989); 2) *Am. J. Physiol.* **256**, C540(1989); 3) *Neuron* **10**, 21(1993); 4) *Biophys. J.* **68**, 2156(1995)**TOXICITY:** Unknown.**FIRST AID:** Potentially harmful. Avoid prolonged or repeated exposure. Avoid getting in eyes, on skin, or on clothing. Wash thoroughly after handling. If eye or skin contact occurs, wash affected areas with plenty of water for 15 minutes and seek medical advice. In case of inhaling or swallowing, move individual to fresh air and seek medical advice immediately.**Disclaimer:** Materials from Biotium are sold for research use only, and are not intended for food, drug, household, or cosmetic use. Biotium is not liable for any damage resulting from handling or contact with this product.