

Calcein AM

Cat #:BMD0064

Size: 1mg/10mg

Calcein AM is a cell-permeable dye.

Product Information

Product name Calcein AM

Specification

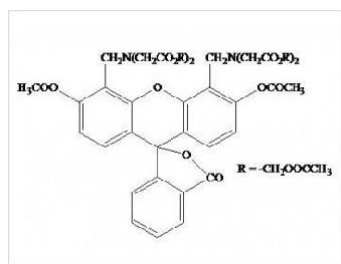


Fig. Calcein AM structure formula

Product Properties

Storage instructions Store at -20°C. The product can be stored for up to 12 months. Protect from light.

Shipping Gel pack with blue ice.

Precautions The product listed herein is for research use only and is not intended for use in human or clinical diagnosis. Suggested applications of our products are not recommendations to use our products in violation of any patent or as a license. We cannot be responsible for patent infringements or other violations that may occur with the use of this product.

Additional Information

Background Calcein AM is a cell-permeable dye that, upon entering live cells, is cleaved by intracellular esterases, leaving membrane-impermeant calcein, a fluorescent indicator with absorption and emission maxima of 494 and 517 nm, respectively. It can be used as an indicator of cell viability, cell-cell communication, cytotoxicity, or changes in intracellular calcium, fluoride, iron, or mercury. As calcein is a substrate for multidrug resistance-associated protein 1 (MRP1) and multidrug resistance protein 3 (MDR3, P-glycoprotein 3), calcein AM is used to study these proteins and their regulation.

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