Product Information Sheet

Ordering Information

Product Number: 22225
Product Name: DASPEI *CAS#: 3785-01-1*
Unit Size: 100 mg
Storage Conditions: < -15 °C and kept from light and moisture
Expiration Date: 12 months upon receiving

Chemical and Spectral Properties

Molecular Weight: 380.27
Chemical Structure:

Soluble in: DMSO
Excitation Wavelength: 461 nm
Emission Wavelength: 589 nm

Application Notes

DASPEI is a styryl dye that stains mitochondria of live cells. This dye has a large fluorescence Stokes shift and is taken up relatively slowly as a function of membrane. The vital mitochondrial dye DASPEI has been used for the rapid visualization of several distinct classes of epidermal cells in vivo and in vitro: epidermal electroreceptors, mechanoreceptors, and chloride cells in teleosts, and mechanoreceptors in amphibians. DASPEI is also used to locate a different type of sensory cells. In vivo, bath-applied DASPEI stains entire larvae in a relatively non-specific fashion.