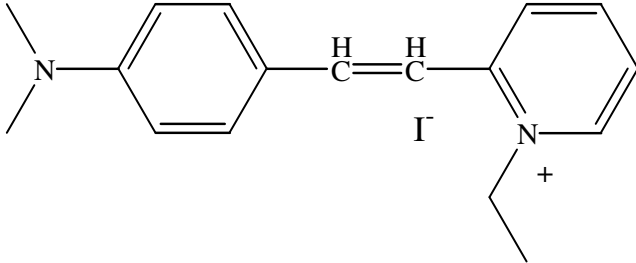


## 2-(4-(dimethylamino)styryl)-N-ethylpyridinium iodide

## Instruction Manual

Catalog Number	PK-CA707-70018
Description	DASPEI is used to stain mitochondria in live cells.
Quantity	100 mg
Excitation / Emission Maxima	$\lambda_{exc} \backslash \lambda_{em}$ (in MeOH) = 461/589 nm; Extinction coefficient = 39,000
Molecular Structure	
Molecular Weight / Molecular Formula	380 Da; C <sub>17</sub> H <sub>21</sub> IN <sub>2</sub>
Purity	>99% (as determined by HPLC)
Appearance / Formulation / Solubility	Red solid; soluble in DMF.
Storage & Stability	Store at $\leq 4^{\circ}\text{C}$ . Protect from light, especially when in solution.
Applications	See Description
References	<ol style="list-style-type: none"> <li>1) Biochem Biophys Res Comm 261, 452 (1999)</li> <li>2) J Exp Biol 202, 3485 (1999)</li> <li>3) J Biol Chem 272, 21964 (1997)</li> <li>4) Biochim Biophys Acta 1278, 205 (1996)</li> <li>5) Microscopy Res Technique 33, 496 (1996)</li> </ol>
Caution	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.

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