

Product datasheet

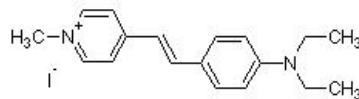
4-Di-2-ASP, Cationic mitochondrial dye ab145266

1 References 1 Image

Overview

Product name	4-Di-2-ASP, Cationic mitochondrial dye
Description	Cationic mitochondrial dye used for staining presynaptic nerve terminals independent of neuronal activity.
Biological description	Photostable dye, which is nontoxic to cells and has been employed to stain living nerve terminals in rabbit corneal epithelium, in rat epidermis and at mouse, snake and frog neuromuscular junctions. Methods for using 4-Di-2-ASP to image neuronal cells in live animals have been described.
Purity	> 97%
General notes	Fluorescence: λ_{ex} 485 nm; λ_{em} 603 nm in methanol.
CAS Number	105802-46-8

Chemical structure



Properties

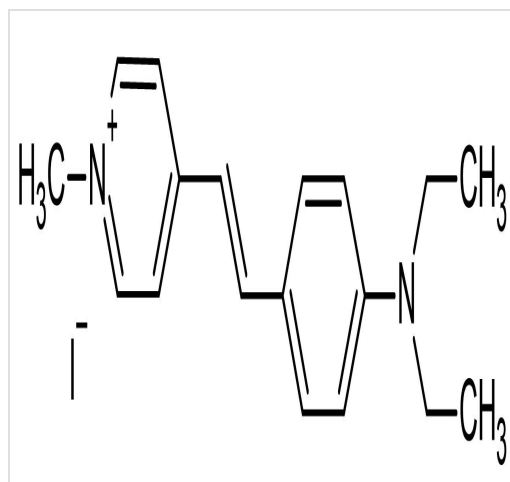
Excitation	485nm
Emission	603nm
Chemical name	4-(4-Diethylaminostyryl)-1-methylpyridinium iodide
Molecular weight	394.29
Molecular formula	C ₁₈ H ₂₃ IN ₂
Storage instructions	Store at +4°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview	Soluble in DMSO
Handling	Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour. Need more advice on solubility, usage and handling? Please visit our frequently asked questions

(FAQ) page for more details.

Source

Synthetic

Images



2D chemical structure image of ab145266, 4-Di-2-ASP, Cationic mitochondrial dye

Chemical Structure - 4-Di-2-ASP, Cationic mitochondrial dye (ab145266)

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