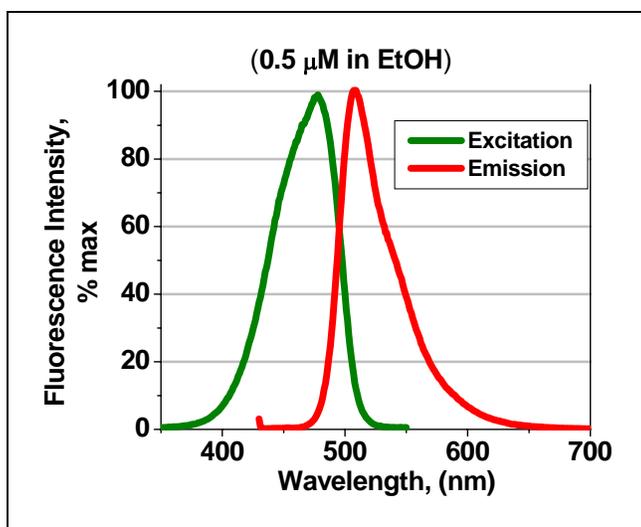


Catalog Number: DY-1003

Product Name: NeuroVue[®] Jade Solid

Product Description: 1 mg of solid dye for Neuronal Tract Tracing Applications

Figure 1. Spectra of NeuroVue Jade (ex max=478 nm; em max=508 nm)



Storage/Stability: Store in the dark at room temperature.

Dye Properties: Molecular Weight = 871
Extinction coefficient at 478nm in ethanol: $\sim 85,525\text{M}^{-1}\text{cm}^{-1}$
Solubility in DMF > 200mM
Solubility in DMSO > 200mM

Applications:

For tracing neuronal connections in animal tissues fixed in formaldehyde. Dye can be melted or dissolved in solvent and applied to metal/glass pins or pieces of hair which can then be used for application into small injection sites.

Additional Important Information

1. Diffusion times vary depending on the biological system under study and must be determined empirically.
2. Detection of Labeled Cells

a) Confocal microscopy: Detection is most efficient using the 488nm laser line for excitation and emission filter set at 500-530nm.

b) Epifluorescence microscopy:

Standard filter sets potentially useful for NeuroVue Jade excitation and emission include:

- Chroma #31001 (FITC/RSGFP/FLUO 3/DiO). Exciter D480/30x, Dichroic 505DCLP, Emitter D535/40m.
- Chroma #41001 (FITC/RSGFP/BODIPY/FLUO 3/DiO). Exciter HQ480/40x, Dichroic Q505LP, Emitter HQ535/50m

NeuroVue® is a trademark of PTI Research, Inc. used under license. NeuroVue® products are sold under sublicense from PTI Research, Inc.