

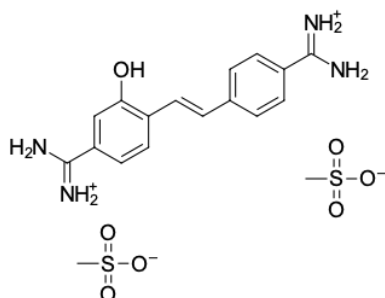
## Hydroxystilbamidine (Fluoro-Gold®)

<http://www.lumiprobe.com/p/hydroxystilbamidine-fluoro-gold>

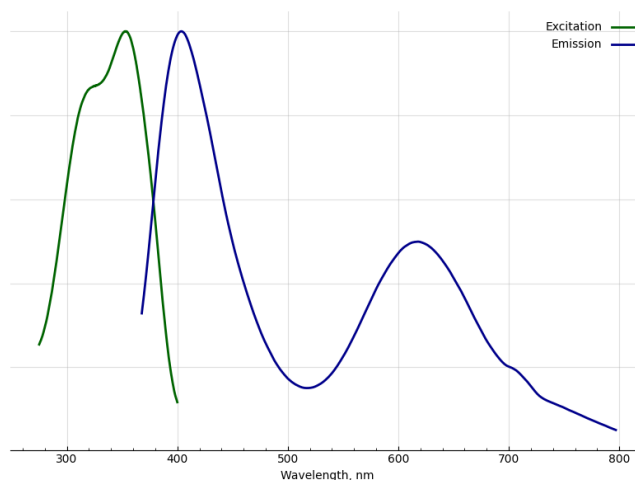
Hydroxystilbamidine, also known as Fluoro-Gold®, is a fluorescent dye widely used in neuroscience and histochemistry for retrograde neuronal tracing and nucleic acid staining.

The dye labels neurons projecting to injection sites with full dendritic arborization and minimal diffusion from labeled cells. Hydroxystilbamidine resists photobleaching under standard microscopy and is compatible with immunohistochemistry, electrophysiology, autoradiography, and multiplex tracing.

Hydroxystilbamidine is also used to discriminate DNA/RNA in fixed cells or tissue sections.



**Structure of Hydroxystilbamidine (Fluoro-Gold®)**



**Excitation and emission spectra of Hydroxystilbamidine (Fluoro-Gold®)**

### General properties

Appearance:	lemon-yellow needles
Molecular weight:	472.55
Molecular formula:	C <sub>18</sub> H <sub>24</sub> N <sub>4</sub> O <sub>7</sub> S <sub>2</sub>
Solubility:	water, DMSO
Quality control:	NMR <sup>1</sup> H and HPLC-MS (95+%)
Storage conditions:	24 months after receipt at -20°C in the dark. Transportation: at room temperature for up to 3 weeks. Desiccate.
Legal statement:	This Product is offered and sold for research purposes only. It has not been tested for safety and efficacy in food, drug, medical device, cosmetic, commercial or any other use. Supply does not express or imply authorization to use for any other purpose, including, without limitation, in vitro diagnostic purposes, in the manufacture of food or pharmaceutical products, in medical devices or in cosmetic products.

### Spectral properties

Excitation/absorption maximum, nm:	355
Emission maximum, nm:	404, 618

Fluoro-Gold® is a trademark of Fluorochrome LLC.