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Green Fluorescent Nissl Stain

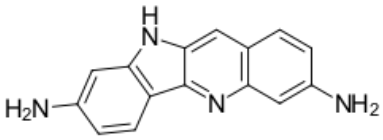
http://hk.lumiprobe.com/p/green-fluorescent-nissl-stain

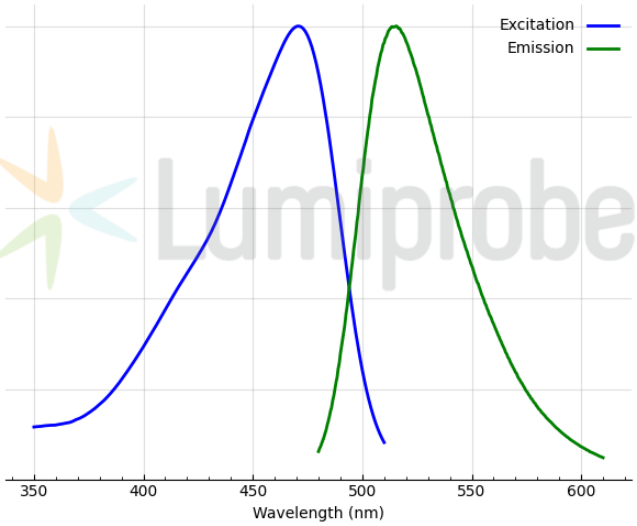
Nissl staining is a widely used histological method for visualizing the morphology and cytoarchitecture of nervous tissue. The technique is based on the selective staining of Nissl substance, a structure rich in ribosomal RNA within the rough endoplasmic reticulum of neurons. As a result, neuronal cell bodies are labeled much more intensely than surrounding cells, facilitating the identification of neuronal populations and the assessment of neural tissue organization.

We offer highly concentrated (1,000×) Fluorescent Nissl Stains with different spectral properties.

Green Fluorescent Nissl Stain (also known as Fluoro Nissl Green) is a cell-impermeant fluorescent dye that exhibits low background fluorescence in solution and becomes highly fluorescent upon binding to nucleic acids. The dye effectively labels RNA-rich neuronal cell bodies in fixed tissue sections, producing bright green fluorescence with excitation and emission maxima at 471 nm and 515 nm, respectively.

The spectral properties of Green Fluorescent Nissl Stain make it compatible with multicolor fluorescence imaging. Its emission is well separated from blue fluorophores such as DAPI and Hoechst dyes and from orange- and red-emitting probes including AF 594, Cyanine3, Cyanine5, and related fluorophores, allowing flexible integration into complex imaging experiments.





外观:	
分子量:	248.29
CAS 编号:	161622-27-1
分子式:	$C_{15}H_{12}N_4$
IUPAC 名称:	10H-Indolo[2-b]quinoline-3,8-diamine
质量控制:	NMR ^{1}H和HPLC-MS（95+%）
储存条件:	接收後24個月在黑暗中-20°C。運輸：在室溫下最多3週。乾燥。
法律声明:	本產品僅供研究目的提供和銷售。本產品並未經過食品、藥品、醫療器械、化妝品等領域的安全性和效力測試，且未經明示或暗示授權用於其他任何用途，包括但不限於體外診斷、人類或動物用途，以及商業用途。

激发/吸收极大值，纳米:	471
发射极大值，纳米:	515