

Lumiprobe Corporation

115 Airport Dr Suite 160 Westminster, Maryland 21157

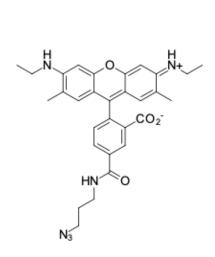
USA

Phone: +1 888 973 6353 Fax: +1 888 973 6354 Email: order@lumiprobe.com

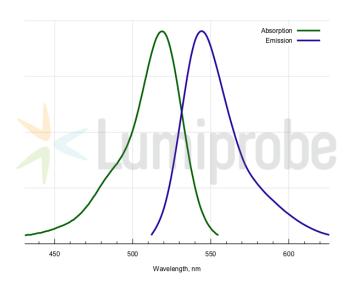
R6G azide, 5-isomer

http://www.lumiprobe.com/p/r6g-azide-5

R6G (rhodamine 6G) is a yellow emitting xanthene dye. It has been used for DNA sequencing before. Now this dye is often used for qPCR. This is a pure 5-isomer of R6G with azide group.



Structure of 5-R6G azide



Absorption and emission spectra for 5-R6G

General properties

Appearance: orange to brown powder

Mass spec M+ increment: 540.3 Molecular weight: 540.61

CAS number: 2135330-71-9 Molecular formula: $C_{30}H_{32}N_6O_4$

Solubility: good in DMF, DMSO, alcohols Quality control: NMR ¹H, HPLC-MS (95%)

Storage conditions: Storage: 24 months after receival at -20°C in the dark. Transportation: at room

temperature for up to 3 weeks. Avoid prolonged exposure to light. 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: 519 ϵ , L·mol $^{-1}$ ·cm $^{-1}$: 116000 Emission maximum, nm: 546 Fluorescence quantum yield: 0.95 CF_{260} : 0.18 CF_{280} : 0.17