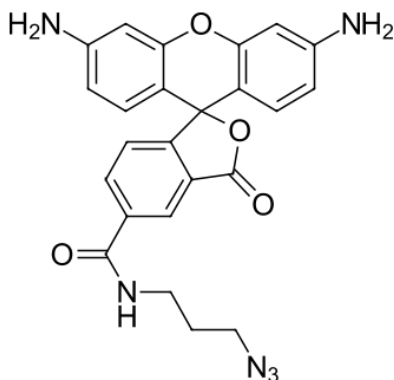


## R110 azide, 5- isomer

<http://www.lumiprobe.com/p/r110-azide-5>

R110 (rhodamine 110) azide, solid and 10 mM solution in DMSO, labeling reagent for Click chemistry. Pure 5-isomer.

Dye of similar photophysical properties with fluorescein, but more photostable. Can replace Alexa Fluor 488, DyLight 488, FAM (fluorescein).



**5-R110 azide structure**

### General properties

Appearance:	red powder / yellow solution
Molecular weight:	456.45
Molecular formula:	C <sub>24</sub> H <sub>20</sub> N <sub>6</sub> O <sub>4</sub>
Solubility:	soluble in polar organic solvents (DMF, DMSO, alcohols)
Quality control:	NMR <sup>1</sup> H, HPLC-MS (95%)
Storage conditions:	Storage: 24 months after receipt at -20°C in the dark. Transportation: at room temperature for up to 3 weeks. Avoid prolonged exposure to light.
TN VED Code:	3204190000

### Spectral properties

Excitation maximum, nm:	496
ε, L·mol <sup>-1</sup> ·cm <sup>-1</sup> :	80000
Emission maximum, nm:	520
Fluorescence quantum yield:	0.9