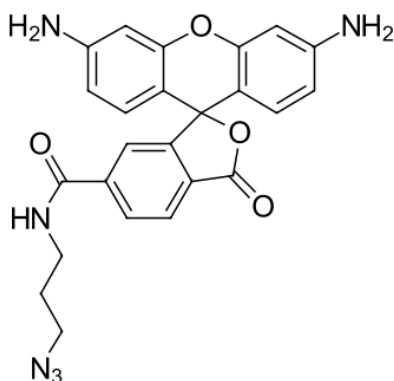


R110 azide, 6-isomer

<http://www.lumiprobe.com/p/r110-azide-6>

R110 (rhodamine 110) azide, 10 mM solution in DMSO and solid material, labeling reagent for click chemistry. Pure 6-isomer.

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



Structure of 6-R110 azide

General properties

Appearance:	violet powder / yellow solution
Molecular weight:	456.45
CAS number:	1622395-29-2
Molecular formula:	C ₂₄ H ₂₀ N ₆ O ₄
Solubility:	soluble in polar organic solvents (DMF, DMSO, alcohols)
Quality control:	NMR ¹ 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.

Spectral properties

Excitation/absorption maximum, nm:	496
ε, L·mol ⁻¹ ·cm ⁻¹ :	80000
Emission maximum, nm:	520
Fluorescence quantum yield:	0.9