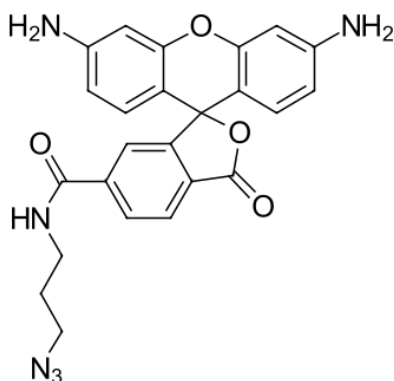


R110 azide, 6-isomer

<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. |
| 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: | 496 |
| ϵ , L·mol ⁻¹ ·cm ⁻¹ : | 80000 |
| Emission maximum, nm: | 520 |
| Fluorescence quantum yield: | 0.9 |