

5-dR110, succinimidyl ester

Catalog number: 317

Unit size: 5 mg

Product Details

Storage Conditions Freeze (<15 °C), Minimize light exposure

Expiration Date 12 months upon receiving

Chemical Properties

Appearance Solid

Soluble In DMSO

Applications

Compared to fluorescein labeling reagents such as FITC and FAM, 5-dR110 [5-carboxy-4,7-dichlororhodamine 110] reagents give more photostable and pH-independent bioconjugates that have the absorption maximum around the preferred 488 nm excitation wavelength. They are photostable alternative reagents superior to FITC and FAM. 5-carboxy-4,7-dichlororhodamine (dR110) is one of the four critical 4,7-dichlororhodamine dyes used as the BigDye terminators for DNA sequencing in combination with d6G, dTMR and dROX. ABI PRISM® BigDye™ Terminator Cycle Sequencing is the classic method for DNA sequencing. 5-dR110, succinimidyl ester is the most convenient building block for preparing the dR110 color of BigDye Sanger sequencing fluorophore set.