

Exosome Fluorescent Dyes (DiR)



Cat. No. ESR-006

Lot. No. (See product label)

Product Name

Exosome Fluorescent Dyes (DiR)

Size

200 μ L (1 mM)

Overview

DiR is a lipophilic, near-infrared fluorescent anthocyanine dye. Its two 18-carbon chains can bind to cell membranes or lipophilic biomolecules for specific, stable staining. The infrared light emitted by DiR passes efficiently through cells and tissues and is therefore commonly used for in vivo imaging and tracing.

Molecular Formula

$C_{63}H_{101}IN_2$

Molecular Weight

1013.4

Solvent

DMSO, $\lambda_{Ex}/\lambda_{Em}(\text{MeOH}) = 748/780 \text{ nm}$

Caution

All fluorescent dyes have quenching problems, please pay attention to avoid light to slow down the quenching of fluorescence.

The working solution of the dye should be prepared and used now, not in advance, otherwise the dyeing effect will be affected.

When fixing cell or tissue samples with DiR staining, the samples should be fixed with 4% paraformaldehyde, and the use of another inappropriate fixative will result in a higher fluorescence background.

This product is intended for life science research only and should not be used for medical diagnosis or other purposes!

Transportation and Storage

20°C, avoid light.

Validity Period

12 months

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY