

6-ROX [6-Carboxy-X-rhodamine] *Single isomer*

Cat. No. DYE-58 Lot. No. (See product label)

SPECIFICATION

Product Overview

Description

6-ROX is the other purified single isomer of 5(6)-ROX. It is preferred for some complicated biological applications where reproducibility is more critical than material cost since the minor positional difference between 5-ROX and 6-ROX might significantly affect some biological properties of the underlying conjugates. 6-ROX is predominantly used to label nucleotides and for DNA sequencing. Currently AAT Bioquest is using a proprietary process to synthesize isomer-free 6-ROX without the conventional chromatographic purification. Cautions must be exercised to prevent the deterioration during storage.

CAS number

194785-18-7

Molecular Mass

534.6

Formula

C₃₃H₃₀N₂O₅

Ex(nm)

570

Em(nm)

591

Solvent

DMSO

Storage

Store at -20°C in the dark. Dessicated.

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