

Product Data Sheet

Product Name: 5-ROX
Cat. No.: GC15796

Chemical Properties

Cas. No. 216699-35-3

SMILES O=C(O)C(C=C1)=CC(C([O-])=O)=C1C2=C3C(C4=C5C(CCCN5CCC4)=C3)=[O+]C6=C7C8=C(CCCN8CCC7)C=C26

Formula $C_{33}H_{30}N_2O_5$ M.Wt 534.6

Solubility DMSO : 125 mg/mL (233.82 mM; Need ultrasonic) Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure



Background

5-ROX is a pure-5 isomer derived from carboxy-X-rhodamine. 5-ROX is a fluorescent oligonucleotide marker, acts as a donor molecule in FRET imaging coupled with porphyrins. 5-ROX is widely used for oligonucleotide labeling and automated DNA sequencing applications. Excitation: 575nm. Emission: 575nm

Caution: Product has not been fully validated for medical applications. For research use only.

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