

Product Data Sheet

Product Name: Sulfo-Cyanine5.5 maleimide potassium

Cat. No.: GC80364

Chemical Properties

Cas. No. 2183440-58-4

Formula $C_{46}H_{45}K_3N_4O_{15}S_4$

M.Wt 1139.42

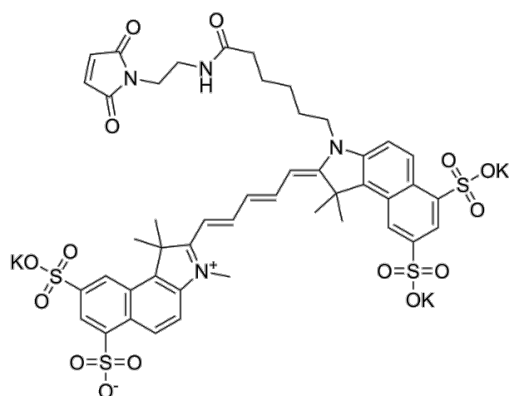
Solubility

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

Sulfo-Cyanine5.5 maleimide (Sulfo-Cy5.5 maleimide) potassium is a fluorescent dye. Sulfo-Cyanine5.5 is a nearinfrared (NIR) fluorophore with excitation maximum 675 nm and emission maximum 694 nm. Sulfo-Cyanine5.5 maleimide potassium can be used for the labeling of sensitive proteins, nanoparticles, and highly hydrophilic biopolymers [1] [2].

References:

[1]. Duss O, et al. Transient Protein-RNA Interactions Guide Nascent Ribosomal RNA Folding. Cell. 2019 Nov 27;179(6):1357-1369.e16.

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

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[2]. Ezeani M, et al. Collagen-Targeted Peptides for Molecular Imaging of Diffuse Cardiac Fibrosis. J Am Heart Assoc. 2021 Sep 21;10(18):e022139.

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