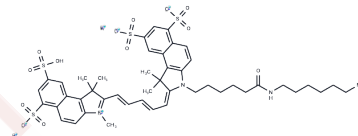


Sulfo-Cyanine5.5 amine potassium

Chemical Properties

CAS No. :	2183440-46-0
Formula:	C ₄₆ H ₅₄ K ₂ N ₄ O ₁₃ S ₄
Molecular Weight:	1077.4
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Sulfo-Cyanine5.5 amine potassium is a highly hydrophilic, water-soluble cyanine dye with four sulfonate groups, tailored for far-red/near-infrared applications including in vivo imaging. As a member of the cyanine dye family, it exhibits an impressive extinction coefficient, enhancing its brightness as a fluorescent marker in the far-red region. This amine-containing dye features an amine group linked to the fluorophore by a long linker, which aids in conjugation. The aliphatic primary amine groups can be coupled with various electrophiles (activated esters, epoxides, etc.) and are also suitable for enzymatic transamination labeling.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.9282 mL	4.6408 mL	9.2816 mL
5 mM	0.1856 mL	0.9282 mL	1.8563 mL
10 mM	0.0928 mL	0.4641 mL	0.9282 mL
50 mM	0.0186 mL	0.0928 mL	0.1856 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481