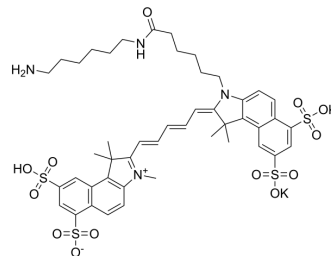


Sulfo-Cyanine5.5 amine potassium

Cat. No.:	HY-D1376
CAS No.:	2183440-46-0
Molecular Formula:	C ₄₆ H ₅₄ K ₂ N ₄ O ₁₃ S ₄
Molecular Weight:	1077.4
Target:	Fluorescent Dye
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Sulfo-Cyanine5.5 amine potassium is a water-soluble cyanine dye suitable for far-red/near-infrared applications such as in vivo imaging. The dye has four sulfonate groups, making it highly hydrophilic and water-soluble. Like other cyanines, sulfo-Cyanine5.5 has an excellent extinction coefficient, making it a bright fluorescent marker in the far-red region. This is an amine-containing fluorescent dye. The amine group is separated from the fluorophore by a relatively long linker that facilitates conjugation. Aliphatic primary amine groups can be coupled with various electrophiles (activated esters, epoxides, etc.) and can also be used for enzymatic transamination labeling.

REFERENCES

[1]. Khatri S, et al. Citrullinated Peptide Epitope Targets Therapeutic Nanoparticles to Human Neutrophils. *Bioconjugate Chemistry*, 2019, 30(10), 2584-2593.

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

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