

Product Data Sheet

Cy5.5 NHS ester (non-sulfonated)

Cat. No.: A8103

CAS No.:

Formula: C44H46ClN3O4

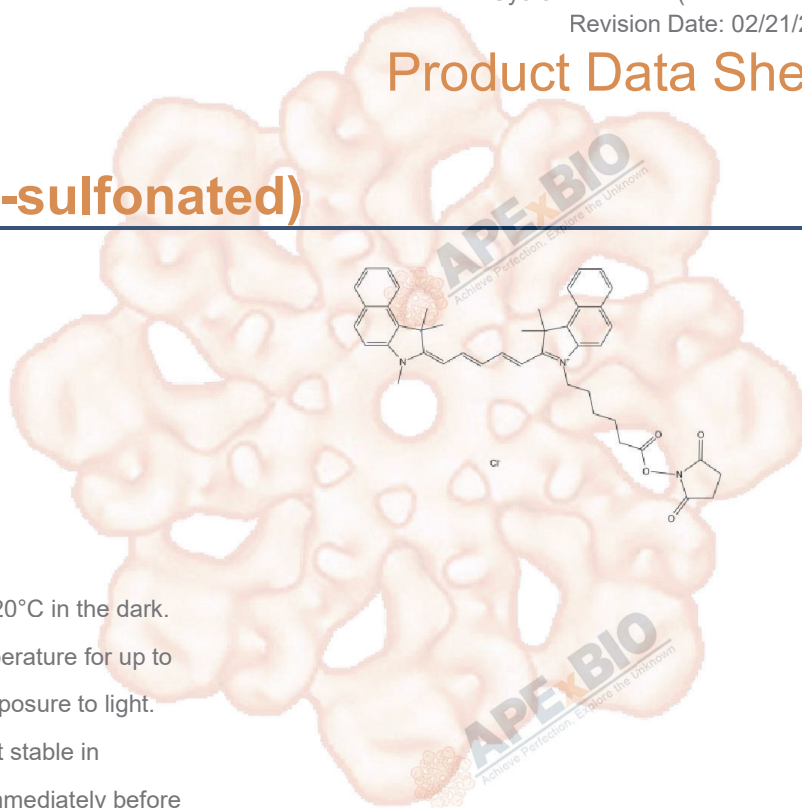
M.Wt: 716.31

Synonyms:

Target: Fluorescent dyes

Pathway: Cyanine dyes

Storage: 24 months after receipt at -20°C in the dark.
 Transportation: at room temperature for up to 3 weeks. Avoid prolonged exposure to light.
 Desiccate. The product is not stable in solution, please dissolve it immediately before use.



Solvent & Solubility

≥ 35.82 mg/mL in DMSO

In Vitro

Preparing Stock Solutions	Mass		1mg	5mg	10mg
	Solvent	Concentration			
		1 mM	1.3960 mL	6.9802 mL	13.9604 mL
		5 mM	0.2792 mL	1.3960 mL	2.7921 mL
		10 mM	0.1396 mL	0.6980 mL	1.3960 mL

Please refer to the solubility information to select the appropriate solvent.

Biological Activity

Shortsummary

Labeling of amino-groups in biomolecules.

IC₅₀ & Target

In Vitro

Cell Viability Assay

Preparation method:

In Vivo

Animal experiment

Applications:

Product Citations

1. Zou S, Duan B, et al. "Inhibition of tumor growth by β -glucans through promoting CD4(+) T cell immunomodulation and neutrophil-killing in mice." Carbohydr Polym.2019 Jun 1;213:370-381.PMID:30879681
2. Cheng M, Zhang Y, et al. "One-pot synthesis of acid-induced in situ aggregating theranostic gold nanoparticles with enhanced retention in tumor cells." Biomater Sci. 2019 Mar 6.PMID:30839987
3. Jiang C, Qi Z, et al. "ATP-responsive low-molecular-weight polyethylenimine-based supramolecular assembly via host-guest interaction for gene delivery." Biomacromolecules. 2018 Dec 5.PMID:30516950
4. Lu J, Zhao Y, et al."Biofunctional polymer-lipid hybrid high density lipoprotein-mimicking nanoparticles loading anti-miR155 for combined antiatherogenic effects on macrophages." Biomacromolecules. 2017 Aug 3.PMID:28738148

See more customer validations on www.apexbt.com.

References

Caution

FOR RESEARCH PURPOSES ONLY.

NOT FOR HUMAN, VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

Specific storage and handling information for each product is indicated on the product datasheet. Most APEX BIO products are stable under the recommended conditions. Products are sometimes shipped at a temperature that differs from the recommended storage temperature. Short-term storage of many products are stable in the short-term at temperatures that differ from that required for long-term storage. We ensure that the product is shipped under conditions that will maintain the quality of the reagents. Upon receipt of the product, follow the storage recommendations on the product data sheet.

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