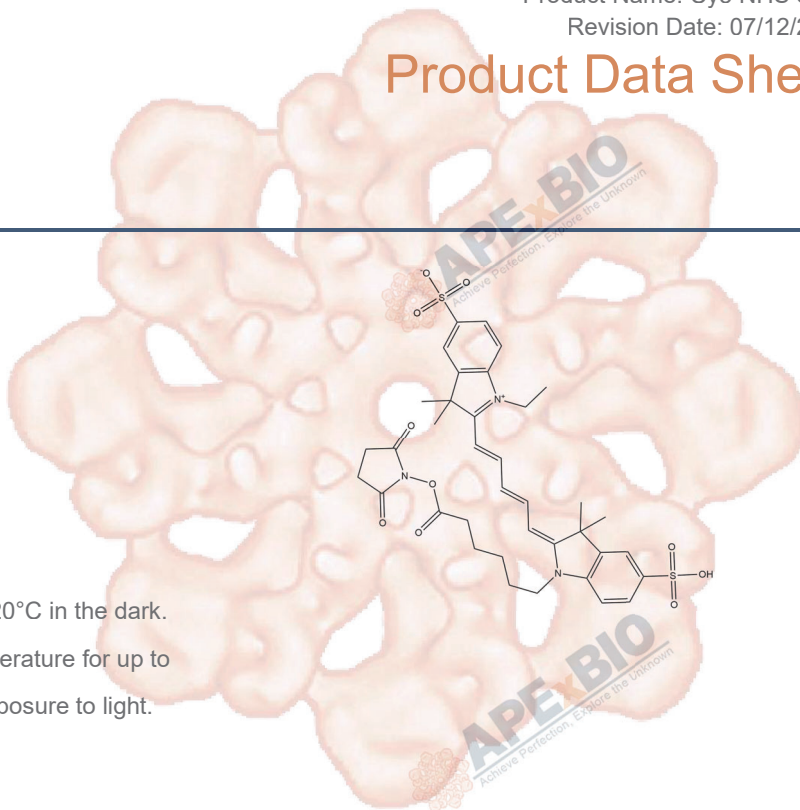


Product Data Sheet

Cy5 NHS ester

Cat. No.:	A8108
CAS No.:	146368-14-1
Formula:	C37H43N3O10S2
M.Wt:	753.88
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.



Solvent & Solubility

insoluble in H₂O; insoluble in EtOH; insoluble in DMSO

In Vitro

Preparing Stock Solutions	Solvent	Mass		
		1mg	5mg	10mg
	Concentration			
	1 mM	1.3126 mL	6.5631 mL	13.1261 mL
	5 mM	0.2625 mL	1.3126 mL	2.6252 mL
	10 mM	0.1313 mL	0.6563 mL	1.3126 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. Hu Y, Hou Y, et al. "Polysarcosine as an Alternative to PEG for Therapeutic Protein Conjugation." *Bioconjug Chem.* 2018 Jul 18;29(7):2232-2238.PMID:29863329
2. Batzaya Nyambat, Chih-Hwa Chen, et al."Genipin-Crosslinked Adipose Stem Cell Derived Extracellular Matrix-Nano Graphene Oxide Composite Sponge for Skin TissueEngineering." *Journal of Materials Chemistry B.* 2018 January 15.

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 APExBIO products are stable under the recommended conditions. Products are sometimes shipped at a temperature that differs from the recommended storage temperature. Shortterm 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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