

Product Data Sheet

Cy5 maleimide (non-sulfonated)

Cat. No.: A8139
CAS No.:
Formula: C₃₈H₄₅CIN₄O₃
M.Wt: 641.24
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

≥64.1 mg/mL in DMSO; insoluble in H₂O; ≥65 mg/mL in EtOH

In Vitro

	Solvent	Mass Concentration	1mg	5mg	10mg
Preparing Stock Solutions		1 mM	1.5595 mL	7.7974 mL	15.5948 mL
		5 mM	0.3119 mL	1.5595 mL	3.1190 mL
		10 mM	0.1559 mL	0.7797 mL	1.5595 mL

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

Biological Activity

Shortsummary

Labeling of cysteine residues, as well as other thiolated molecules

IC₅₀ & Target

In Vitro

Cell Viability Assay

Preparation method:

In Vivo

Animal experiment

Applications:

Product Citations

1. Bhatt R, Chudaev M, et al. "Engineered EF-Tu and tRNA-Based FRET Screening Assay to Find Inhibitors of Protein Synthesis in Bacteria." AssayDrug Dev Technol. 2018 May/Jun;16(4):212-221.PMID:29870274

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. 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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