Product Datasheet

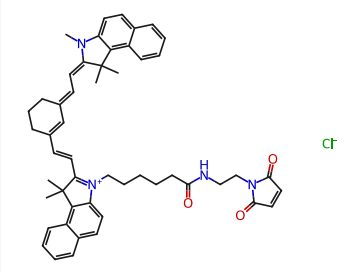
Cy7.5 maleimide

Catalog No. **BP-08861** · CAS **2270866-73-2** · Form **free base** · Physical state **solid** · Color **Dark green to black** · Version **1.0** · Revision **2026-11-16**

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Molecular formula	$C_{51}H_{55}ClN_4O_3$
Molecular weight	**807.4790**

STRUCTURE



DESCRIPTION

Cy7.5 maleimide is a CY dye. CY, short for Cyanine, is a compound consisting of two nitrogen atoms connected by an odd number of methyl units. Cyanine compounds have the characteristics of long wavelength, adjustable absorption and emission, high extinction coefficient, good water solubility and relatively simple synthesis . CY dyes are of en used for the labeling of proteins, antibodies and small molecular compounds. For the labeling of protein antibodies, the combination can be completed through a simple mixing reaction. Below, we introduce the labeling method of protein antibody labeling, which has certain reference significance .

BIOLOGICAL ACTIVITY

Guide (The following is our recommended protocol. This protocol is only a guide and should be modified according to your specific needs).

REFERENCES

[1]. Yongzhi Men, et al. Biodegradable Zwitterionic Nanogels with Long Circulation for Antitumor Drug Delivery. ACS Appl Mater Interfaces. 2018 Jul 18;10(28):23509-23521.

[2]. Ptaszek M. Rational design of fluorophores for in vivo applications. Prog Mol Biol Transl Sci. 2013;113:59-108.

[3]. Shindy, H. A. (2017). Fundamentals in the chemistry of cyanine dyes: A review. Dyes and Pigments, 145, 505–513. doi:10.1016/j.dyepig.2017.06.029