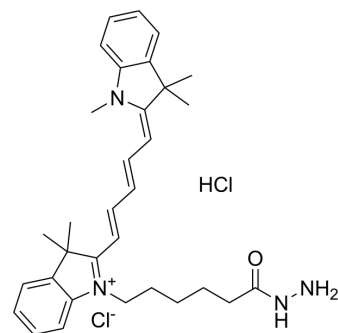


Cy 5 hydrazide

Cat. No.:	HY-137100
CAS No.:	1427705-31-4
Molecular Formula:	C ₃₂ H ₄₂ Cl ₂ N ₄ O
Molecular Weight:	569.61
Target:	Fluorescent Dye
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Cy 5 hydrazide (Cyanine5 hydrazide) is a fluorescent dye for aldehydes and ketones. Cy 5 hydrazide can be used for labeling proteins ^[1] .
In Vitro	<p>Guidelines (Following is our recommended protocol. This protocol only provides a guideline, and should be modified according to your specific needs).</p> <p>Cell viability assay^[1]:</p> <ol style="list-style-type: none"> 1. Add Cy 5 hydrazide to each sample at 25°C for 1 h to label sample. 2. Remove salts and unbound fluorescent dye by the trichloroacetic acid (TCA sodium deoxycholate (DOC) or acetone method. 3. Measure fluorescence intensity (Ex=640 nm, Em=660 nm). <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p>

REFERENCES

[1]. Yoshimura T, et al. A novel procedure for the assessment of the antioxidant capacity of food components. *Anal Biochem.* 2016 Aug 15;507:7-12.

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

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