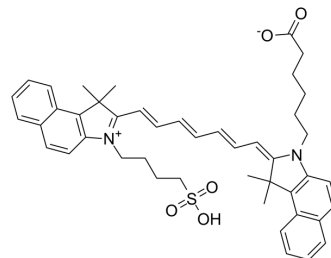


ICG-carboxylic acid

Cat. No.:	HY-W088089
CAS No.:	181934-09-8
Molecular Formula:	C ₄₅ H ₅₀ N ₂ O ₅ S
Molecular Weight:	730.95
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	ICG-carboxylic acid is near-infrared (NIR) fluorescent probe. ICG is a fluorescent dye used in medical diagnostics. ICG has absorption peaking at 800 nm and can absorb the near IR laser energy and release heat in the dyed tissue ^{[1][2]} .
In Vitro	Indocyanine green (ICG) is a water-soluble compound that is widely and safely used in medical diagnostics for its well-established fluorescence properties. It has been used in fluorescence-guided surgery to identify critical structures, including intra-abdominal tumors ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Taylor JS, et al. Combined application of Indocyanine green (ICG) and laser lead to targeted tumor cell destruction. *J Pediatr Surg.* 2018;53(12):2475-2479.
- [2]. Mačianskienė R, et al. Spectral characteristics of voltage-sensitive indocyanine green fluorescence in the heart. *Sci Rep.* 2017;7(1):7983. Published 2017 Aug 11.

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

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