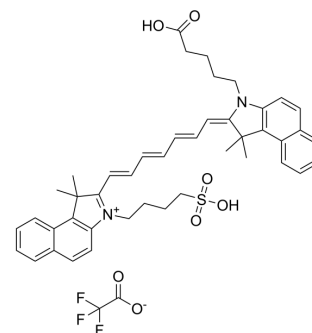


## ICG acid

Cat. No.:	HY-D1905
Molecular Formula:	C <sub>46</sub> H <sub>49</sub> F <sub>3</sub> N <sub>2</sub> O <sub>7</sub> S
Molecular Weight:	830.95
Target:	Fluorescent Dye
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



## BIOLOGICAL ACTIVITY

### Description

ICG acid is a fluorescent dye used in medical diagnostics. ICG acid has absorption peaking at 800 nm and can absorb the near IR laser energy and release heat in the dyed tissue. ICG acid has been used in fluorescence-guided surgery to identify critical structures, including intra-abdominal tumors<sup>[1][2]</sup>.

## 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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