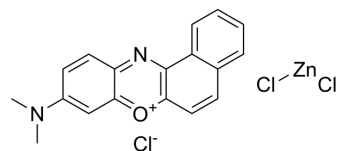


## Meldola blue

Cat. No.:	HY-D0808
CAS No.:	7057-57-0
Molecular Formula:	C <sub>18</sub> H <sub>15</sub> Cl <sub>3</sub> N <sub>2</sub> OZn
Molecular Weight:	447.06
Target:	Fluorescent Dye
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Meldola blue is a biosensor for measuring lactate in serum based on screen-printed carbon electrodes modified with Meldola's Blue-Reinecke salt (MBRS-SPCE) coated with lactate dehydrogenase NAD<sup>+</sup>-dependent enzyme (from pig heart) and NAD<sup>+</sup>.

### REFERENCES

[1]. Ribeiro DB, et al. Determination of the Antioxidant Activity of Samples of Tea and Commercial Sources of Vitamin C, Using an Enzymatic Biosensor. *Antioxidants* (Basel). 2021 Feb 22;10(2):324.

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

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