

## R-PE (R-Phycoerythrin)

Cat. No.:	HY-D0988
CAS No.:	11016-17-4
Target:	Fluorescent Dye
Pathway:	Others
Storage:	Solution, -20°C, protect from light, 2 years

## R-Phycoerythrin

### SOLVENT & SOLUBILITY

#### In Vitro

H<sub>2</sub>O : ≥ 50 mg/mL

\* "≥" means soluble, but saturation unknown.

### BIOLOGICAL ACTIVITY

#### Description

R-Phycoerythrin is a phycobiliproteins could be isolated from *Heterosiphonia japonica*. R-Phycoerythrin is a potent fluorescent probe contains four chromophore-carrying subunits that exhibits extremely bright red-orange fluorescence. ( $\lambda_{ex}=496$  nm,  $\lambda_{em}=578$  nm)<sup>[1][2]</sup>.

### REFERENCES

- [1]. Sun L, et, al. Isolation, purification and characteristics of R-phycoerythrin from a marine macroalga *Heterosiphonia japonica*. *Protein Expr Purif*. 2009 Apr;64(2):146-54.
- [2]. Huang B, et, al. The experimental research of R-phycoerythrin subunits on cancer treatment: a new photosensitizer in PDT. *Cancer Biother Radiopharm*. 2002 Feb;17(1):35-42.

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

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