

## Photinus-luciferin 4-monooxygenase (ATP-hydrolysing)

Cat. No. EXWM-0620

Lot. No. (See product label)

### Introduction

**Description** Photinus (firefly) is a bioluminescent insect. The first step in the reaction is the formation of an acid anhydride between the carboxylic group and AMP, with the release of diphosphate. The enzyme may be assayed by measurement of light emission.

**Synonyms** firefly luciferase; luciferase (firefly luciferin); Photinus luciferin 4-monooxygenase (adenosine triphosphate-hydrolyzing); firefly luciferin luciferase; Photinus pyralis luciferase

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 1.13.12.7

**CAS No.** 61970-00-1

**Reaction** Photinus luciferin + O<sub>2</sub> + ATP = oxidized Photinus luciferin + CO<sub>2</sub> + AMP + diphosphate + hv

**Notes** This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

### Storage and Shipping Information

**Storage** Store it at +4 °C for short term. For long term storage, store it at -20 °C~-80 °C.