

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 + O₂ + ATP = oxidized Photinus luciferin + CO₂ + 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.