

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.