

Luminol [3-Aminophthalhydrazide]

Cat. No. DYE-165 **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Description

Luminol is a cyclic diacyl hydrazide that exhibits chemiluminescence upon oxidation. For example, HRP, combined with hydrogen peroxide as an activator, causes luminescent peroxidation of luminol. This reaction can be enhanced by certain phenol derivatives, such as p-substituted phenols. Luminol can also be oxidized, and chemiluminesce, by compounds containing iron, copper, gold, and cyanide. The excitation/emission maxima for luminol are 355/411 nm.

CAS number 521-31-3

Molecular Mass 177.16

Formula C₈H₇N₃O₂

Ex(nm) 355

Em(nm) 411

Solvent DMSO

Storage Store at -20°C in the dark. Dessicated.

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