

Luminol

Biotechnology Grade

MESGENTM
INNOVATION BIOTECHNOLOGY

Cat.No # MF7883

Lot.No : Refer to Vial

Packaging : 5g & 25g

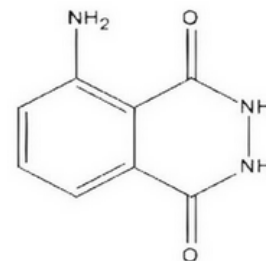
Synonym : 3-Aminophthalhydrazide

CAS number : 521-31-3

Formula : C₈H₇N₃O₂

Molecular weight : 177.16

Purity : >98%



Application

A chemiluminescence generating reagent for biological and metal cation assays

Description

Luminol is a reagent for the generation of chemiluminescence in biological assays including nitric oxide and myeloperoxidase assay. Luminol is converted to a dianion in basic solution, which is then oxidized with H₂O₂/Cu²⁺ to form N₂ and an aminophthalate ion in an electronically excited state. The aminophthalate ion emits a photon of wavelength 424 nm.

Store condition

-20°C.

For Research Use Only. Not for use in diagnostic procedures.



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