



Specialized in chemicals

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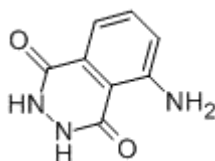
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Technical Data Sheet

3-Aminophthalhydrazide

Product Information

Chemical Name	3-Aminophthalhydrazide
CAS #	521-31-3
Formula	C ₈ H ₇ N ₃ O ₂
Molecular Weight	177.16
Synonyms	Luminol
Chemical Structure	



Description

3-Aminophthalhydrazide is off-white to light yellow powder, the melting point 300 ° C (lit.), water solution <0.1 g/100 mL at 19 ° C, it is a chemically fluorescent molecule. Luminol is a chemiluminescent probe that has been used to detect myeloperoxidase-mediated oxidative events in granulocytes and for chemiluminescence analysis of metal cations and blood.

Physical Properties

Melting point, ° C .	>300 ° C (lit.)
storage temp	0-6° C
Water Solubility	Water Solubility

Specification

Appearance	Off-white to light yellow powder
Assay(HPLC)%	≥98.0
Loss on drying %	≤8.0

Safety

It is not dangerous chemicals.

Potential health effects

Inhalation May be harmful if inhaled. Causes respiratory tract irritation.
Ingestion May be harmful if swallowed.
Skin May be harmful if absorbed through skin. Causes skin irritation.
Eyes Causes serious eye irritation.

Applications

- (1) Luminol is a chemiluminescence reagent, luminol is used by forensic investigators to detect trace amounts of blood left at crime scenes, as it reacts with iron found in hemoglobin. It is used by biologists in cellular assays for the detection of copper, iron, and cyanides, as well as of specific proteins by western blot.
- (2) It can be used as chemical analysis reagents, indicators.
- (3) It can be used for chemiluminescence analysis such as measurement of metal cations, blood and glucocorticoids

Packaging

25kg/drum or 1kg/bottle

Storage & Handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols.
Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.
Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Always refer to the Material Safety Data Sheet (MSDS) for detailed information on handling and disposal.

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchant ability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall we be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if we has been advised of the possibility of such damages.

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