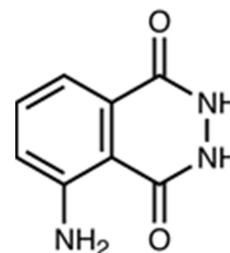


TECHNICAL DATA SHEET

CODE LUM
 CAS # 521-31-3
 NAME LUMINOL



MOL FORM. C₈H₇N₃O₂

MOL WT. 177.16

STRUCTURE

PRODUCT SPECIFICATIONS

	PARAMETER	STANDARD RESULTS
1.	Appearance	Yellow crystalline powder
2.	Melting Pt (°C)	319-320 °C
3.	Moisture (%)	=< 0.5%
4.	Purity (%)	> 99%
5.	Solubility	Soluble in Water

STORAGE Cool Closed Area

PACKING 25 kg HDPE Drums

APPLICATION Luminol is a cyclic diacyl hydrazide that exhibits chemiluminescence upon oxidation. Luminol can also be oxidized, and chemiluminesce, by compounds containing iron, copper, gold, and cyanide Luminol is a luminescent peroxidase substrate that can be used as a chemiluminescent reagent for the determination of viable mammalian cells and bacteria. Luminol also has forensic application as a presumptive test for latent blood detection and is commonly employed in detection strategies by flow injection analysis, for pharmaceutical and environmental characterization. Chemiluminescent and electrochemiluminescent probes based upon luminol are beginning to merge with biochip and microarray development as a possible substitutes for the more well established fluorescent probes.