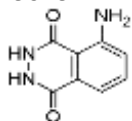


PRODUCT: Luminol**RELATED PRODUCTS:**Lucigenin (**B1801**)Luminol (**B1807**)**ALTERNATE NAME:** 5-amino-2,3-dihydro-1,4-phthalazinedione; 3-Aminophthalhydrazide; NSC-5064**CATALOG #:** B1807-1G, 5G**AMOUNT:** 1 g, 5 g**STRUCTURE:****MOLECULAR FORMULA:** C₈H₇N₃O₂**MOLECULAR WEIGHT:** 177.2**CAS NUMBER:** 521-31-3**APPEARANCE:** White solid with yellow orange tinge**SOLUBILITY:** DMSO (~ 50 mg/ml)**PURITY:** ≥98%**STORAGE:** Store at -20 °C. Protect from air and light**DESCRIPTION:** Luminol is a useful probe that displays chemiluminescence upon oxidation. Horseradish peroxidase (HRP), combined with hydrogen peroxide as an activator, causes luminescent peroxidation of luminol. Luminol can also be oxidized, and chemiluminesce, by compounds containing iron, copper, gold, and cyanide.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**USAGE:** *FOR RESEARCH USE ONLY! Not to be used in humans*