D-Luciferin 1-(4,5-dimethoxy-2-nitrophenyl) Ethyl Ester

**Product Information**

**Product ID** L8009  
**CAS No.** 223920-67-0  
**Chemical Name**

**Synonym** DMNPE-caged Luciferin  
**Formula** C₂₁H₁₉N₃O₇S₂  
**Formula Wt.** 489.52  
**Melting Point**  
**Purity** ≥95%  
**Solubility** Soluble in DMSO or DMF

**Store Temp** -20°C  
**Ship Temp** Ambient  
**Description** Luciferins are light-emitting heterocyclic compounds commonly used in biochemistry. Luciferin is the natural ligand for the enzyme luciferase, which oxidizes the substrate, emitting energy in the form of light in the process. Firefly luciferase requires ATP for its reaction, emitting a greenish-yellow luminescence at a peak wavelength of approximately 530 nm. DMNPE-caged luciferin crosses cell membranes easily and can be used to study intracellular activities such as changes in gene transcription.

**Pricing and Availability**

*Bulk quantities available upon request*

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<th>Product ID</th>
<th>Size</th>
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**References**


**Caution:** This product is intended for laboratory and research use only. It is not for human or drug use.