

**D-Luciferin methyl ester \*CAS 73918-26-0\***

Catalog number: 12514

Unit size: 5 mg

**Product Details**

---

Storage Conditions Freeze (&lt;15 °C), Minimize light exposure

Expiration Date 12 months upon receiving

**Chemical Properties**

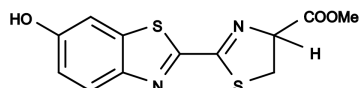
---

Appearance White solid

Molecular Weight 294.35

Soluble In DMSO

Chemical Structure

**Applications**

---

D-Luciferin methyl ester contains a methyl moiety attached at the carboxy position, thus preventing it be recognized by the firefly luciferase enzyme. However, the ester is hydrolyzed effectively by lipase activity, and the resulted D-luciferin is well recognized by luciferase. D-Luciferin methyl ester is a sensitive substrate for the chemiluminescent measurement of lipase activity in homogeneous assays, or in cell lysate samples in combination with luciferase and its cofactors.