

D-Luciferin ethyl ester *CAS 135251-85-3*

Catalog number: 12515

Unit size: 5 mg

Product Details

Storage Conditions Freeze (<15 °C), Minimize light exposure

Expiration Date 12 months upon receiving

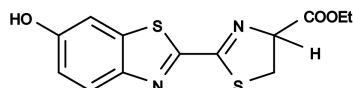
Chemical Properties

Appearance Off-white solid

Molecular Weight 308.38

Soluble In DMSO

Chemical Structure

**Applications**

D-Luciferin ethyl 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.