

## D-Luciferin acetate

Catalog number: 12516

Unit size: 5 mg

### Product Details

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

Expiration Date 12 months upon receiving

### Chemical Properties

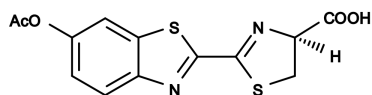
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Appearance White solid

Molecular Weight 322.36

Soluble In DMSO

Chemical Structure



### Applications

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D-Luciferin acetate contains an acetate moiety attached at the 6-O-position, thus preventing it from being recognized by the firefly luciferase enzyme. However, the acetate moiety is removed effectively by esterase activity, and the resulting D-luciferin is well recognized by luciferase. D-Luciferin acetate is a sensitive substrate for the chemiluminescent measurement of esterase activity in homogeneous assays, or in cell lysate samples in combination with luciferase and its cofactors.