

BioVision's Luciferase Substrates

BioVision offers D-Luciferin and Coelenterazine, the most popular and versatile bioluminescent substrates. D-Luciferin is a substrate for the enzyme firefly luciferase whereas Coelenterazine is the luminescent substrate for Renilla luciferase and apoaequorin. D-Luciferin is available as luciferin free acid, as well as its water-soluble sodium and potassium salts. D-Luciferin is a substrate for the enzyme firefly luciferase whereas Coelenterazine is the luminescent substrate for Renilla luciferase and apoaequorin. Luciferin have been widely used in *in vitro* and *in vivo* luciferase reporter assays detecting gene expression and detecting the level of cellular ATP in cell viability assays or for kinase activity assays. Coelenterazine have been used for bioluminescent calcium detection and the monitoring of reporter genes in BRET (Bioluminescence Resonance Energy Transfer), ELISA and HTS methods as well as chemiluminescent detection of superoxide anions and peroxynitrite in cells or tissues. BioVision Luciferin is the most highly purified Luciferin commercially available.

Product Highlights:

- **Highly Pure D-Luciferin, High Signal, Low Background, High Reproducibility**
- **Numerous Options of D-Luciferin to Choose From** (luciferin free acid and its sodium and potassium salts)
- **Offers Coelenterazine-h, another excellent luciferase substrate** (used in gene reporter assays, live cell assays and biochemical assays such as ELISA, BRET etc)

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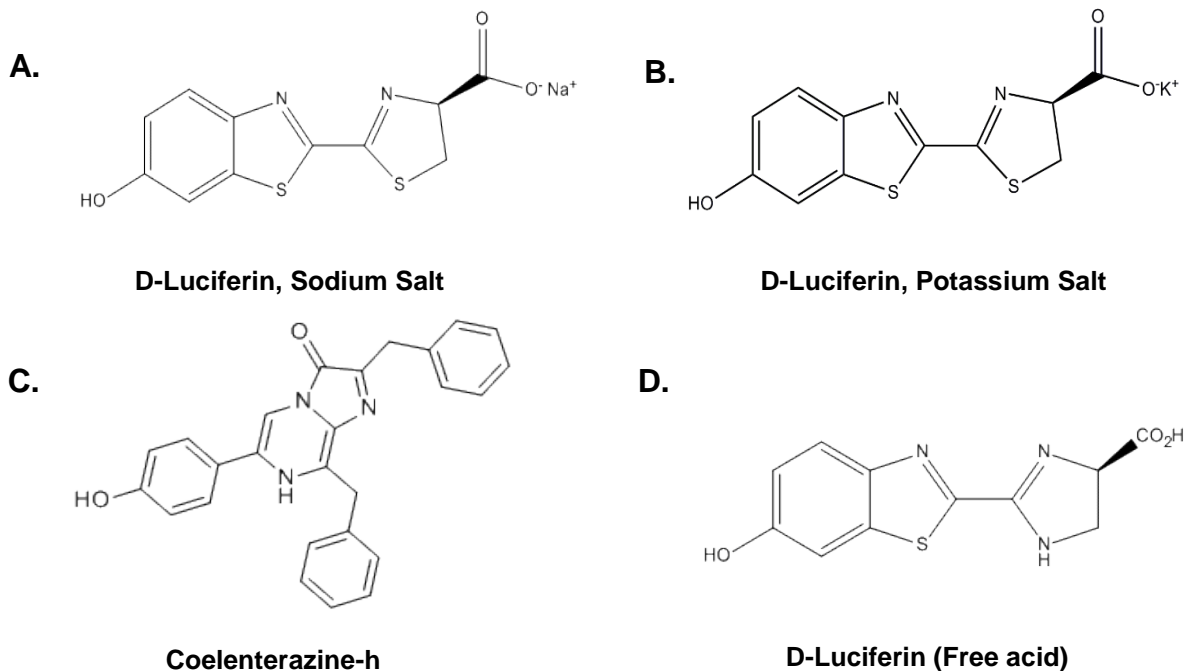


Figure. Structure of BioVision's Luciferase Substrates. A. D-Luciferin, Sodium Salt. B. D-Luciferin, Potassium Salt. C. Coelenterazine-h. D. D-Luciferin (Free acid).

BioVision's Luciferase Substrates

Product Name	Cat. No.	Size
Coelenterazine, native	2536-500	500 µg
Coelenterazine, native	2536-1000	1 mg
Coelenterazine-h	2742-100	100 µg
Coelenterazine-h	2742-1000	1 mg
D-Luciferin (Free acid)	2779-250	250 mg
D-Luciferin (Free acid)	2779-500	500 mg
D-Luciferin (Free acid)	2779-1000	1 g
D-Luciferin (Free acid)	2779-5000	5 g
D-Luciferin, Potassium Salt	7903-3	3 x 1 g
D-Luciferin, Potassium Salt	7903-5	5 x 1 g
D-Luciferin, Potassium Salt	7903-1G	1 g
D-Luciferin, Potassium Salt	7903-10G	10 g
D-Luciferin, Potassium Salt	7903-10	10 x 1 g
D-Luciferin, Potassium Salt	7903-100	100 mg
D-Luciferin, Sodium Salt	7902-3	3 x 1 g
D-Luciferin, Sodium Salt	7902-5	5 x 1 g
D-Luciferin, Sodium Salt	7902-1G	1 g
D-Luciferin, Sodium Salt	7902-10G	10 g
D-Luciferin, Sodium Salt	7902-10	10 x 1 g
D-Luciferin, Sodium Salt	7902-100	100 mg
StayBrite™ High Stable Luciferase	7901-150	150 µg

We are constantly adding new products in this field to provide a complete product portfolio for your research. Please visit our website, www.biovision.com for the most up-to-date details on all the products that we have in our catalog.

For ordering please email us at: orders@biovision.com



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