

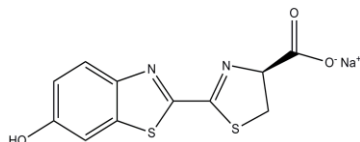
D-Luciferin, Sodium Salt

ALTERNATE NAMES:

(S)-2-(6-Hydroxy-2-benzothiazolyl)-2-thiazoline-4-carboxylic acid sodium salt, 4,5-Dihydro-2-(6-hydroxy-2-benzothiazolyl)-4-thiazolecarboxylic acid sodium salt, Firefly luciferin sodium salt

CATALOG #:

7902-100	100 mg
7902-1	1 g
7902-3PK	3 x 1 g
7902-5PK	5 x 1 g
7902-10PK	10 x 1 g
7902-10G	10 g
7902-25G	25 g
7902-50G	50 g

STRUCTURE:**MOLECULAR FORMULA:**

C₁₁H₇N₂O₃S₂.Na

MOLECULAR WEIGHT:

302.3

CAS #:

103404-75-7

APPEARANCE:

Light yellow solid

SOLUBILITY:

Water (~10 mg/ml)

PURITY:

>95% analyzed by specific absorbance at 327 nm

STORAGE:

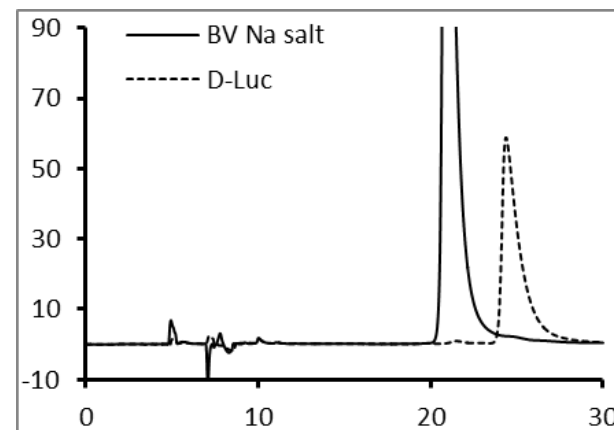
Store at -20°C. Protect from air and light

DESCRIPTION:

D-Luciferin sodium salt is a useful substrate for the enzyme Firefly Luciferase. Upon oxidation by the enzyme luciferase, produces bioluminescence. D-Luciferin can be utilized to assay the expression of the luciferase gene linked to a promoter of interest. Alternatively, D-Luciferin and luciferase can be used to assess ATP availability in cellular or biochemical assays.

HANDLING:

Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

**RELATED PRODUCTS:**

Coelenterazine, Native (**Cat. No. 2536-500, -1000**)
Coelenterazine -h (**Cat. No. 2742-250, -1000**)
ADP Colorimetric/Fluorometric Assay Kit (**Cat. No. K355-100**)
ADP/ATP Ratio Assay Kit (**Cat. No. K255-200**)
ATP Cell Viability Assay Kit (**Cat. No. K254-200**)
ATP Colorimetric/Fluorometric Assay Kit (**Cat. No. K354-100**)
Bioluminescence Cytotoxicity Assay Kit (**Cat. No. K312-500**)
Luciferase Polyclonal Antibody (**Cat. No. 3848-500**)
Luciferase Reporter Assay Kit (**Cat. No. K801-200**)
Luciferin Potassium Salt (**Cat. No. 7903-100, -1G, -10G**)
Luciferin Sodium Salt (**Cat. No. 7902-100, -1G, -10G**)
StayBrite™ Highly Stable Recombinant Luciferase (**Cat. No. 7901-150**)
StayBrite™ Highly Stable Luciferase/Luciferin Reagent (**Cat. No. K790-100, -1000, -10,000**)
StayBrite™ Highly Stable ATP Assay Kit (**Cat. No. K791-100, -1000**)

FOR RESEARCH USE ONLY! Not to be used on humans.