

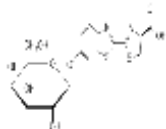
PRODUCT: D-Luciferin-6-O-beta-D-galactopyranoside

ALTERNATE NAME: 6-O-(beta-D-Galactopyranosyl)luciferin

CATALOG #: B1802-5, 25

AMOUNT: 5 mg, 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₁₇H₁₈N₂O₈S₂

MOLECULAR WEIGHT: 442.46

CAS NUMBER: 131474-38-9

APPEARANCE: White solid with yellow orange tinge

SOLUBILITY: DMSO (~ 50 mg/ml)

PURITY: ≥98%

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

DESCRIPTION: Luciferin-β-galactoside is a substrate for the commonly used reporter enzyme β-galactosidase. The substrate is cleaved by β-galactosidase to form luciferin and galactose. When used in a model system expressing firefly luciferase, the luciferin is then utilized in a firefly luciferase reaction to generate light.

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 (**K255-200**)

ATP Cell Viability Assay Kit (**Cat. No. K254-200**)

ATP Colorimetric/Fluorometric Assay Kit (**Cat. No. K354-100**)

Bioluminescence Cytotoxicity Assay Kit (**K312-500**)

Luciferase Polyclonal Antibody (**Cat. No. 3848-500**)

Luciferase Reporter Assay Kit (**K801-200**)

Luciferin Potassium Salt (**Cat. No. 7903-100, 1, 3,5, 10, 10G**)

Luciferin Sodium Salt (**Cat. No. 7902-100, 1,3, 5, 10,10G**)

Luciferin (Free acid) (**Cat. No. 2779-250, 500, 1000, 500**)

Lucigenin (**B1801**)

Luminol (**B1807**)

StayBrite™ Highly Stable Recombinant Luciferase (**Cat. No. 7901-150**)

StayBrite™ Highly Stable Luciferase/Luciferin Reagent (**Cat. No. K790-100, 1000, 10,0000**)

StayBrite™ Highly Stable ATP Assay Kit (**Cat. No. K791-100,-1000**)

USAGE: *FOR RESEARCH USE ONLY! Not to be used in humans*