

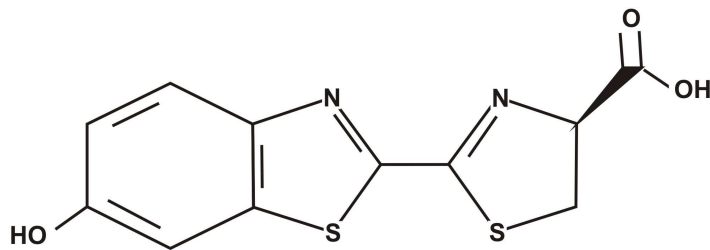
Data Sheet

D-Luciferin p.a. free acid 102111; 102112;102113

D-Luciferin p.a. free acid

(synth.) >99% purity

102111	100mg
102112	500mg
102113	1g



Chemical name: D-[4,5 Dihydro-2-(6-hydroxy-2-benzothiazolyl)-4-thiazolecarboxylic]

CAS NO: 2591-17-5

MW 280,33

Stocking temp. -20°C, dark and dry

Vacuum dried, packed under argon

Only for laboratory use as material for reagents

Chemical purity: >99% by HPLC

Biochemical performance: 100mg/ml >98.5% +/- 0.8
Free ATP: not detectable

Optical purity: >99% by HPLC

Specifications:

- Formular: $C_{11}H_8N_2O_3S_2$
- MP: 203.7°C
- Appearance: Yellowish powder
- Water content: <0.05%
- Contains 0.05% acetic acid as an antistatic
- ATP, nucleases and proteases not detectable
- Optical purity: >99% by HPLC
- Chemical purity: >99% by HPLC
- Biochem. Perform. >98.5% +/- 0.8 with ATP/Luciferase

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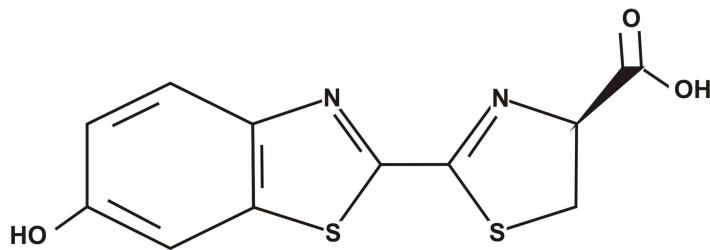
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