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Product Specification

Product Name:

D-Luciferin sodium salt – lyophilized powder, synthetic

Product Number:

L6882

CAS Number:

103404-75-7

MDL:

MFCD00044938

Formula:

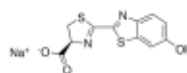
C₁₁H₇N₂NaO₃S₂

Formula Weight:

302.30 g/mol

Storage Temperature:

-20 °C



TEST

Specification

Appearance (Color)	Faint Yellow to Dark Yellow
Appearance (Form)	Powder
Solubility (color)	Faint Green-Yellow to Dark Green-Yellow
Solubility (Turbidity)	Clear
10 mg/mL, H ₂ O	
Water (by Karl Fischer)	≤ 11 %
Carbon (anhydrous)	42.8 - 46.5 %
Nitrogen (anhydrous)	8.9 - 9.8 %
Sodium (Na) anhydrous	7.2 - 8.0 %
Suitability	Suitable
Suitable for use as a substrate for luciferase and the quantitation of ATP	
Purity (HPLC)	≥ 98 %
¹ H NMR Spectrum	Conforms to Structure

Specification: PRD.4.ZQ5.10000013758

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.