

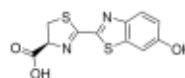
3050 Spruce Street, Saint Louis, MO 63103, USA

Website: www.sigmaldrich.comEmail USA: techserv@sial.comOutside USA: eurtechserv@sial.com

Product Specification

Product Name:
D-Luciferin - synthetic

Product Number: L9504
CAS Number: 2591-17-5
MDL: MFCD00042929
Formula: C₁₁H₈N₂O₃S₂
Formula Weight: 280.32 g/mol
Storage Temperature: -20 °C



TEST	Specification
Appearance (Color)	White to Faint Yellow
Appearance (Form)	Powder
Solubility (Color)	Colorless to Faint Yellow
Solubility (Turbidity)	Clear
10 mg/mL, DMSO	
Proton NMR Spectrum	Conforms to Structure
Water (by Karl Fischer)	≤ 3 %
Solvent Content (by GC)	≤ 3 %
Nitrogen (dry basis)	9.7 - 10.3 %
Purity (HPLC)	≥ 98 %
Recommended Retest Period	-----
4 years	

Specification: PRD.1.ZQ5.10000030209

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.