

## **Certificate of Analysis**

## CAT#306 D-Luciferin

Date of Test: January, 17 2019

Compound ID: D-Luciferin (Firefly Luciferin)

5425

 $C_{11}H_8N_2O_3S_2$ 

280.32 g/mol

CAS# 2591-17-5

**IUPAC Name:** 

(4*S*)-2-(6-hydroxy-1,3-benzothiazol-2-yl)-4,5-dihydrothiazole-4-carboxylic acid

Batch Number:

Manufacturer: Prolume Ltd.

Molecular Formula:

MW:

Structure:

HO N-----OH

Test Items	Specification	Results	Test method
Appearance	Light Yellow Solid	Conforms	Visual
Purity	>99%	99.091%	LCMS
Identification	Activity consistent with structure	Conforms	Light emission
	Spectrum is consistent with structure	Conforms	By HNMR
Storage	Store dry and dark at -20°C or for long term storage at -80°C.		

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