



Product Information

D-Luciferin firefly, potassium salt-endotoxin free

Cat. No.: X24-11-LY052

Size: 100 mg; 250 mg; 500 mg; 1 g; 2 g

CAS Number: 115144-35-9

Compound CID: 135478035

Synonym: 115144-35-9; D-Luciferin potassium salt; Potassium

(S)-2-(6-hydroxybenzo[d]thiazol-2-yl)-4,5-dihydrothiazole-4-carboxylate; D-Luciferin

(potassium); D-Luciferin (potassium salt); 4-Thiazolecarboxylic acid,

4,5-dihydro-2-(6-hydroxy-2-benzothiazolyl)-, potassium salt (1:1), (4S)-;

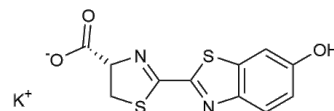
(S)-2-(6-Hydroxy-2-benzothiazolyl)-2-thiazoline-4-carboxylic acid potassium salt;

potassium;

(4S)-2-(6-hydroxy-1,3-benzothiazol-2-yl)-4,5-dihydro-1,3-thiazole-4-carboxylate; D-

Luciferin,potassium salt

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	D-Luciferin firefly with potassium salt-endotoxin free is a deendotoxin version of the D-fluorin potassium salt that is processed to remove possible bacterial endotoxins, ensuring safety and efficacy in biological experiments.
Molecular Weight	318.42
Molecular Formula	C ₁₁ H ₇ KN ₂ O ₃ S ₂
IUPAC Name	Potassium, (4S)-2-(6-hydroxy-1,3-benzothiazol-2-yl)-4,5-dihydro-1,3-thiazole-4-carboxylate
InChI	InChI=1S/C11H8N2O3S2.K/c14-5-1-2-6-8(3-5)18-10(12-6)9-13-7(4-17-9)11(15)16;/h1-3,7,14H,4H2,(H,15,16);/q;+1/p-1/t7-;/m1./s1
InChI Key	UMBKGTQQGYPQBE-OGFXRTJISA-M
SMILES string	C1[C@@H](N=C(S1)C2=NC3=C(S2)C=C(C=C3)O)C(=O)[O-].[K+]
Form	Powder
Purity	≥99%, determined by HPLC.
Identity	Confirmed by IR.
Melting Point	200°C
Applications	D-Luciferin firefly with potassium salt-endotoxin free is very valuable in the fields of immunology,



pharmacology and bioluminescence imaging.

Storage

Store at -20°C.
