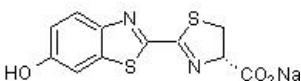


Product datasheet

D-Luciferin sodium salt, Chemiluminescent luciferase substrate ab145164

[1 Image](#)

Overview

Product name	D-Luciferin sodium salt, Chemiluminescent luciferase substrate
Description	Chemiluminescent luciferase substrate
Biological description	Chemiluminescent luciferase substrate. Water soluble derivative of D-Luciferin (ab143654) and analog of D-Luciferin potassium salt (ab143655). Excitation is pH dependent (pH ex_λ = 327 and 385 nm for pH 4 and pH 11 respectively), emission is pH independent. Emits light on oxidative decarboxylation in the presence of ATP providing a bioluminescent signal for cellular ATP levels <i>in vivo</i> .
Purity	>= 95%
General notes	This product is manufactured by BioVision, an Abcam company and was previously called 7902 Luciferin, Sodium Salt. 7902-100 is the same size as the 100 mg size of ab145164.
CAS Number	103404-75-7
Chemical structure	

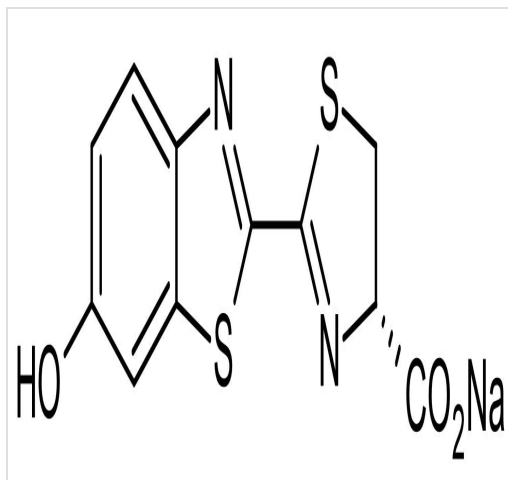
Properties

Chemical name	(4S)-2-(6-Oxo-1,3-benzothiazol-2-ylidene)-1,3-thiazolidine-4-carboxylate sodium salt
Molecular weight	302.30
Storage instructions	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview	Soluble in water to 25 mM and in DMSO to 25 mM
Handling	<p>Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.</p> <p>Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.</p>

SMILES[Na]OC(=O)[C@@H]1N=C(SC1)c2nc3ccc(O)cc3s2**Source**

Synthetic

Images



Chemical Structure - D-Luciferin sodium salt,
Chemiluminescent luciferase substrate (ab145164)

2D chemical structure image of ab145164, D-Luciferin sodium salt,
Chemiluminescent luciferase substrate

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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