

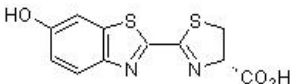
Product datasheet

D-Luciferin, chemiluminescent luciferase substrate

ab143654

[2 References](#) [1 Image](#)

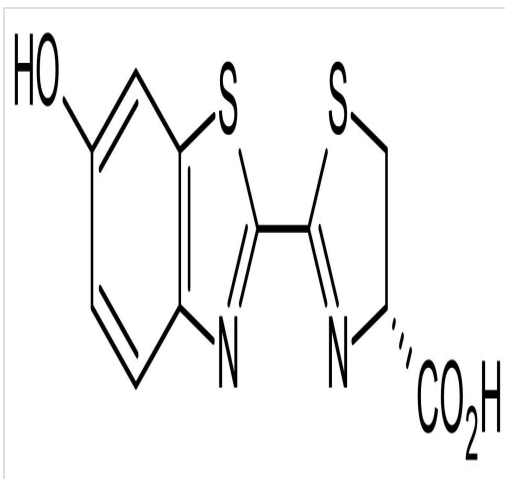
Overview

| | |
|--------------------|--|
| Product name | D-Luciferin, chemiluminescent luciferase substrate |
| Description | Cell-permeable chemiluminescent luciferase substrate |
| Purity | > 98% |
| CAS Number | 2591-17-5 |
| Chemical structure |  |

Properties

| | |
|----------------------|---|
| Chemical name | (2Z,4S)-2-(6-Oxo-1,3-benzothiazol-2-ylidene)-1,3-thiazolidine-4-carboxylic acid |
| Molecular weight | 280.32 |
| Molecular formula | C ₁₁ H ₈ N ₂ O ₃ S ₂ |
| PubChem identifier | 5459882 |
| Storage instructions | Store at -20°C. It is important to note that this product is reported to be light sensitive. Store in the Dark. Store under desiccating conditions. |
| Solubility overview | Soluble in ethanol to 25 mM and in DMSO to 100 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 | C1C(NC(=C2N=C3C=CC(=O)C=C3S2)S1)C(=O)O |
| Source | Synthetic |

Images



Chemical Structure - D-Luciferin, chemiluminescent luciferase substrate (ab143654)

2D chemical structure image of ab143654, D-Luciferin, 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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