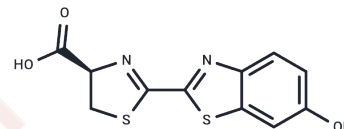


## L-Luciferin

## Chemical Properties

CAS No. :	34500-31-7
Formula:	C <sub>11</sub> H <sub>8</sub> N <sub>2</sub> O <sub>3</sub> S <sub>2</sub>
Molecular Weight:	280.32
Storage:	Keep away from direct sunlight Store at -20°C <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	L-Luciferin is a competitive inhibitor and luminescent substrate for firefly luciferase, convertible by the enzyme/cofactor system into D-Luciferin.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.5674 mL	17.8368 mL	35.6735 mL
5 mM	0.7135 mL	3.5674 mL	7.1347 mL
10 mM	0.3567 mL	1.7837 mL	3.5674 mL
50 mM	0.0713 mL	0.3567 mL	0.7135 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

Lembert N. Firefly luciferase can use L-luciferin to produce light. Biochem J. 1996 Jul 1;317 ( Pt 1)(Pt 1):273-7.

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