

D-Luciferin phosphate trisodium

Chemical Properties

CAS No. :	145613-12-3
Formula:	C ₁₁ H ₆ N ₂ Na ₃ O ₆ PS ₂
Molecular Weight:	426.24
Storage:	Keep away from direct sunlight Store at -20°C <small>Actual storage temperature shall be subject to the COA.</small>

Biological Description

Description	D-Luciferin phosphate trisodium is a synthetic bioluminescent substrate used for firefly luciferase. Under the action of alkaline phosphatase, it loses its phosphate group, releasing free D-Luciferin. This compound is primarily utilized for the highly sensitive detection of phosphatases.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3461 mL	11.7305 mL	23.461 mL
5 mM	0.4692 mL	2.3461 mL	4.6922 mL
10 mM	0.2346 mL	1.173 mL	2.3461 mL
50 mM	0.0469 mL	0.2346 mL	0.4692 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.

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