

Luciferase, firefly

Chemical Properties

CAS No. : 61970-00-1

Formula: NA

Molecular Weight:

Luciferase, firefly

Storage: Keep away from moisture, Keep away from direct sunlight
Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	Luciferase, firefly is a bioluminescent enzyme extracted from fireflies, commonly used as a reporter gene in cellular imaging studies to quantify target gene expression levels and measure intracellular ATP content, emitting peak fluorescence at 560 nm.
Targets(IC50)	ATPase

Reference

Smirnova DV, Ugarova NN. Firefly Luciferase-based Fusion Proteins and their Applications in Bioanalysis. Photochem Photobiol. 2017 Mar;93(2):436-447. doi: 10.1111/php.12656. Epub 2016 Nov 30.

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