

Coelenterazine native

Cat. No. DYE-19 Lot. No. (See product label)

SPECIFICATION

Product Overview

Description

Coelenterazine (native form) is a luminescent enzyme substrate for apoaequorin and Renilla luciferase. The aequorin complex has been used as an excellent calcium indicator that can measure a broad concentration range of calcium from ~0.1 μM to >100 μM . Renilla luciferase has been widely used as a reporter protein. Renilla luciferase/coelenterazine has also been used as the bioluminescence donor in bioluminescence resonance energy transfer (BRET) to study protein-protein interactions. Other uses of coelenterazine include chemiluminescent detection of superoxide anion and peroxynitrite in cells or tissues.

CAS number

55779-48-1

Molecular Mass

423.46

Formula

C₂₆H₂₁N₃O₃

Ex(nm)

429

Em(nm)

466

Solvent

Ethanol

Storage

Store at -20°C in the dark. Dessicated.

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