

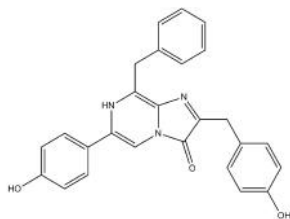
PRODUCT: Coelenterazine, native

ALTERNATE NAME: 3,2-Dihydro-2-(p-hydroxybenzyl)-6-(p-hydroxyphenyl)-8-benzylimidazolo[1,2-a]pyrazin-3-one, CLZN

CATALOG #: 2536-500, 1000

AMOUNT: 500 µg, 1 mg

STRUCTURE:



MOLECULAR FORMULA: C₂₆H₂₁N₃O₃

MOLECULAR WEIGHT: 423.46

CAS No. 55779-48-1

APPEARANCE: Brownish yellow solid

SOLUBILITY: EtOH or MeOH

PURITY: ≥95% by TLC

STORAGE: Store at -20°C. Protect from light and air

DESCRIPTION: Cell-permeable. Coelenterazine is the luminescent substrate for *Renilla* luciferase and apoaequorin. When coelenterazine combines with luciferase, oxygen, and calcium ions, it produces oxy-coelenterazine and light. This allows coelenterazine to be used for bioluminescent calcium detection and the monitoring of reporter genes in BRET (Bioluminescence Resonance Energy Transfer), ELISA and HTS methods as well as chemiluminescent detection of superoxide anions and peroxynitrite in cells or tissues.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

- ADP Colorimetric/Fluorometric Assay Kit (Cat. No. K355-100)
- ADP/ATP Ratio Assay Kit (K255-200)
- ATP Cell Viability Assay Kit (Cat. No. K254-200)
- ATP Colorimetric/Fluorometric Assay Kit (Cat. No. K354-100)
- Bioluminescence Cytotoxicity Assay Kit (K312-500)
- Luciferase Polyclonal Antibody (Cat. No. 3848-500)
- Luciferase Reporter Assay Kit (K801-200)
- Luciferin Potassium Salt (Cat. No. 7903-100, 1G, 10G)
- Luciferin Sodium Salt (Cat. No. 7902-100, 1G, 10G)
- StayBrite™ Highly Stable Recombinant Luciferase (Cat. No. 7901-150)
- StayBrite™ Highly Stable Luciferase/Luciferin Reagent (Cat. No. K790-100, 1000, 10,0000)
- StayBrite™ Highly Stable ATP Assay Kit (Cat. No. K791-100,-1000)

USAGE: **FOR RESEARCH USE ONLY! Not to be used in humans.**