

## Coelentarazine h, Cell viability probe

Catalog	Unit
TBI1496 - 1MG	1 mg
TBI1496 - 5MG	5 mg

### Product Details

**Formal Name:** 2,8-Dibenzyl-6-(4-hydroxyphenyl)imidazole[1,2-a]pyrazin-3(7H)-one

**Alternate Names:** 2-Deoxycoelenterazine

**Molecular Formula:** C<sub>26</sub>H<sub>21</sub>N<sub>3</sub>O<sub>2</sub>

**Formula Weight:** 407.46

**CAS Number:** 50909-86-9

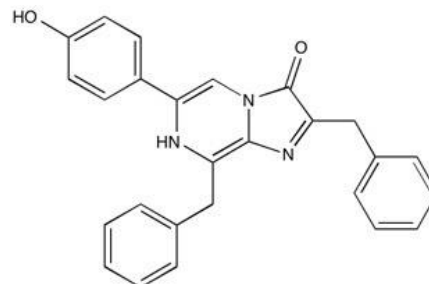
**Purity:** >98%

**Formulation:** Powder

**Solubility:** Soluble in DMSO (up to 10 mg/ml) or in Methanol (up to 1 mg/ml)

**Storage:** -20°C

**Stability:** ≥ 2 years.



### Applications

Cell viability probe

### Functions

Coelenterazine-h (50909-86-9) may be used as a substrate in gene reporter assays, live cell assays, and biochemical assays (ELISA, BRET etc). Renilla luciferase catalyzes coelenterazine oxidation by oxygen to produce light. Coelenterazine-h produces 10-fold higher light output than native coelenterazine. Coelenterazine-h also undergoes autoluminescence, which is enhanced by superoxide anion and peroxynitrite in cells.

### Application Procedures

First dissolved in DMSO (up to 10 mg/ml) or in Methanol (up to 1 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or methanol may be stored at -20°C for up to 1 month.

### Relative Products

TBI1170	Mitomycin C
TBI1345	E64, Cysteine protease inhibitor
TBI1347	E64d, Cysteine protease inhibitor
TBI2064	Chromomycin A3
TBI2069	Cytochalasin B
TBI2794	5-EDU, DNA Click labeling probe
TBI2071	Cytochalasin D
TBI1286	Bestatin, Aminopeptidase inhibitor
TBI2140	Gemcitabine
TBI2058	Aphidicolin, DNA polymerase Inhibitor

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