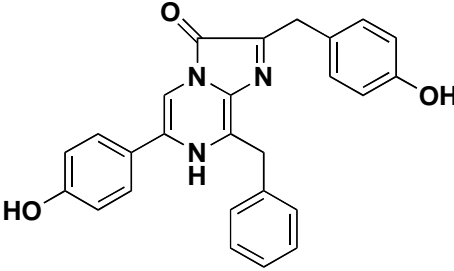


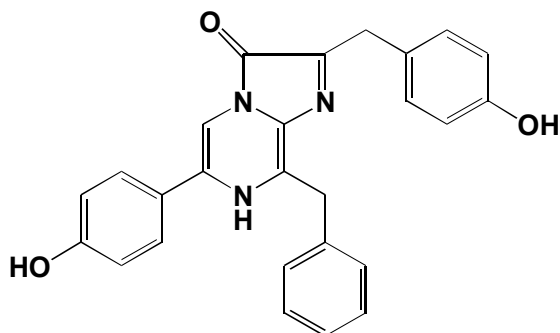
Coelenterazine	
Cat. No.:	S-001
Product code:	CZ
Product name:	Coelenterazine
Chemical structure:	
Chemical name:	2-(<i>p</i> -Hydroxybenzyl)-6-(<i>p</i> -hydroxyphenyl)-8-benzylimidazo[1,2- <i>a</i>]pyrazin-3-(7 <i>H</i>)-one
Formula:	C ₂₆ H ₂₁ N ₃ O ₃
Molecular weight:	423.47
CAS. No.:	55779-48-1
Size:	250 µg (CZ-250), 1 mg (CZ-1000)
Purity:	>98% on HPLC
Shape:	Yellow powder
Storage:	Stored below -20 °C
Solubility:	Solved in methanol
Use:	Substrate for luciferases and photoproteins.
References:	<p>1) Inouye, S., Iimori, R., Sahara, Y., Hisada, S. and Hosoya, T. (2010) Application of new semisynthetic aequorins with long half-decay time of luminescence to G-protein-coupled receptor assay. <i>Anal. Biochem.</i> 407, 247-252.</p>
Laboratory Reagent For Research Use Only	
Not for resale without prior written consent from JNC Corporation.	

Supplier	Contact us
JNC CORPORATION Shin Otemachi Bldg. 9F 2-2-1 Otemachi, Chiyoda-ku, Tokyo 100-8105 URL http://www.jnc-corp.co.jp	JNC Corporation, Yokohama Research Center 5-1 Okawa, Kanazawa-ku, Yokohama, Japan 236-8605 Tel: 045-786-5501 Fax: 045-786-5511 E-mail: biophoton@jnc-corp.co.jp

For research use only

Coelenterazine

Product code : CZ



$C_{26}H_{21}N_3O_3 = 423.47$



Coelenterazine

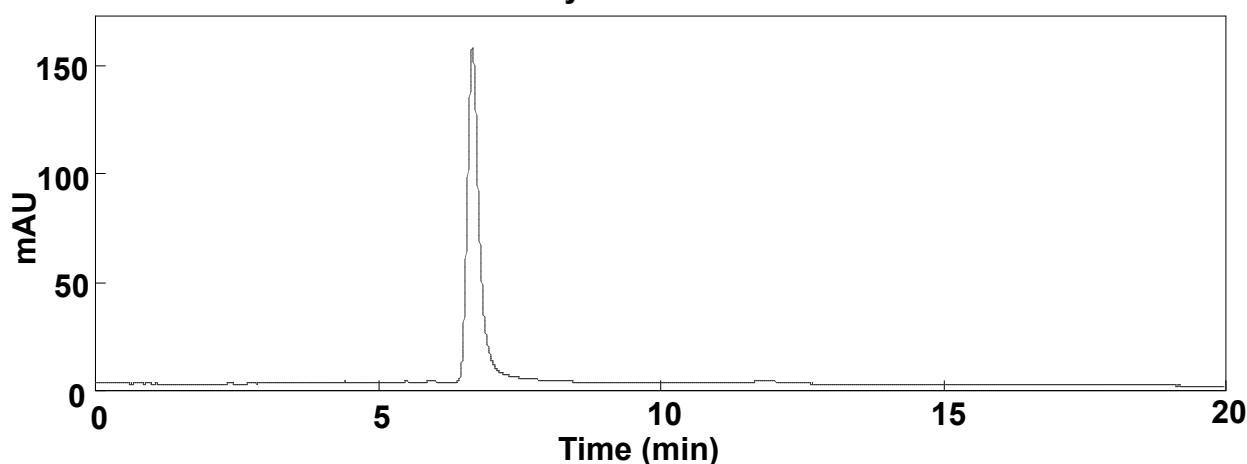


Dissolved
in MeOH

Product information of coelenterazine

Chemical name : 2-(*p*-Hydroxybenzyl)-6-(*p*-hydroxyphenyl)-8-benzylimidazo[1,2-*a*]pyrazin-3-(7*H*)-one
 Formula : $C_{26}H_{21}N_3O_3$
 Molecular weight : 423.47
 CAS No. : 55779-48-1
 Storage : Store away from light and below $-20\text{ }^{\circ}\text{C}$ (Solid)
 Solubility : Soluble in methanol
 Purity : > 98 % on HPLC

HPLC analysis of coelenterazine



HPLC conditions

Column : Lichrosorb RP-18 (Merck, $5\text{ }\mu\text{m}$, $4 \times 125\text{ mm}$)
 Mobile phase : 0.1 % TFA aq : MeOH = 4 : 6
 Flow rate : 0.45 ml / min
 Detection : UV 225 nm
 Sample : $5\text{ }\mu\text{l}$

Supplier	Contact
<p>JNC CORPORATION Shin Otemachi Bldg. 9F 2-2-1 Otemachi, Chiyoda-ku, Tokyo 100-8105 URL http://www.jnc-corp.co.jp</p>	<p>JNC Corporation, Yokohama Research Center 5-1 Okawa, Kanazawa-ku, Yokohama, Japan 236-8605 Tel: 045-786-5501 Fax: 045-786-5511 E-mail: biophoton@jnc-corp.co.jp</p>