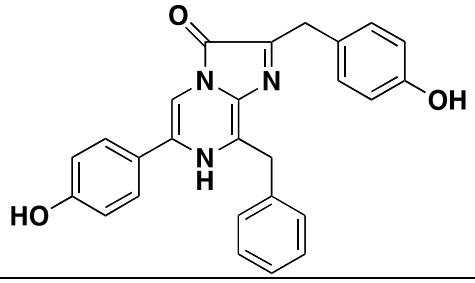
JNC CORPORATION

Coelenterazine

Cat. No.:	S-001
Product code:	CZ
Product name:	Coelenterazine
Chemical structure:	
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
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:	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. *Anal. Biochem*. 407, 247-252(PMID:20800051).

Laboratory Reagent For Research Use Only

Not for resale without prior written consent from JNC Corporation.

Supplier

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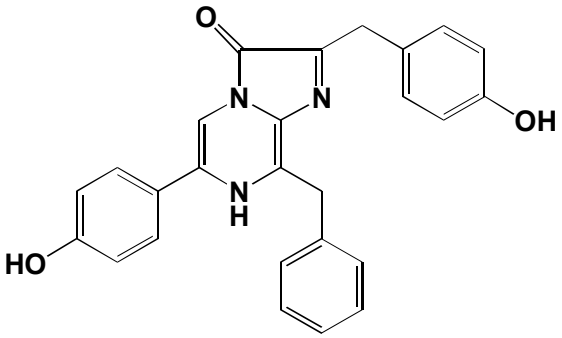


$C_{26}H_{21}N_3O_3$ = 423.47

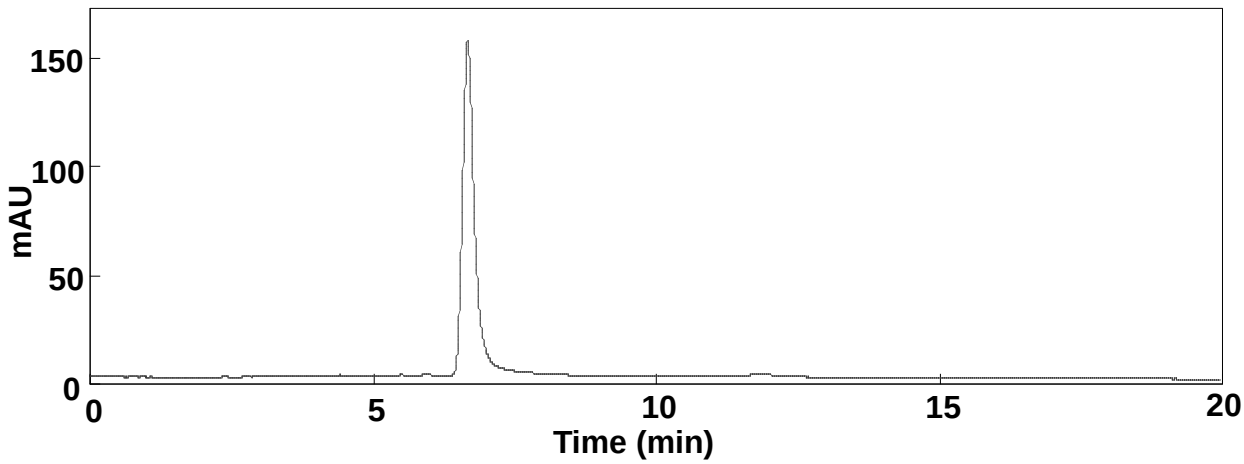
Coelenterazine

Dissolved in MeOH

Product information of coelenterazine

Chemical name : 2-(*p*-Hydroxvbenzyl)-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
Storage : Store away from light and below –20 ℃ (Solid)
Solubility : Soluble in methanol
Purity : > 98% on HPLC

HPLC analysis of coelenterazine



HPLC conditions

Column : Lichrosorb RP-18 (Merck, 5 μm, 4 x 125 mm)
Mobile phase : 0.1 % TFA aq : MeOH = 4 : 6
Flow rate : 0.45 ml / min
Detection : UV 225 nm
Sample : 5 μl

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