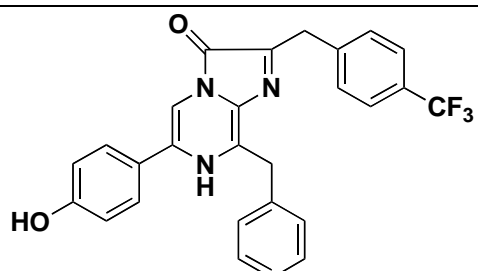


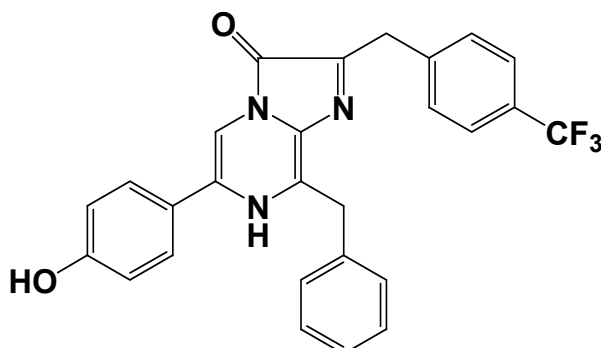
cf3-Coelenterazine	
Cat. No.:	S-003
Product code:	CF3Z
Product name:	cf3-Coelenterazine
Chemical structure:	
Chemical name:	8-Benzyl-6-(4-hydroxyphenyl)-2-[4-(trifluoromethyl)benzyl]imidazo[1,2-a]pyrazin-3(7H)-one
Formula:	C ₂₇ H ₂₀ F ₃ N ₃ O ₂
Molecular weight:	475.47
Size:	250 µg (cf3Z-250), 1 mg (cf3Z-1000)
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., Imori, 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(PMID:20800051).</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: jphoton@jnc-corp.co.jp

For research use only

cf3-Coelenterazine

Cat. No. : S-003
Product code : CF3Z



$C_{27}H_{20}F_3N_3O_2 = 475.47$

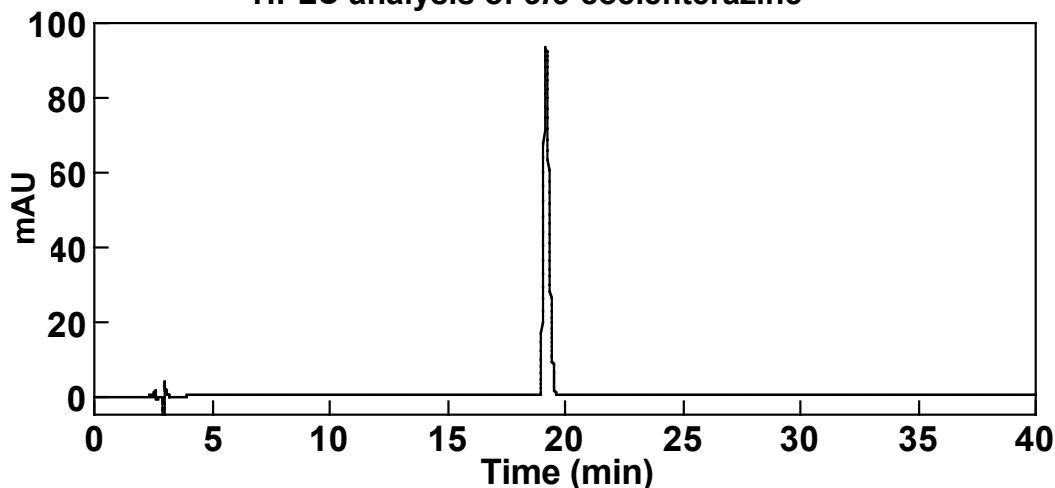


cf3-Coelenterazine

Product information of cf3-coelenterazine

Chemical name : 2-(p-Trifluoromethyl)-6-(p-hydroxyphenyl)-8-benzylimidazo[1,2-a]pyrazin-3-(7H)-one
Formula : $C_{27}H_{20}F_3N_3O_2$
Molecular weight : 475.47
Storage : Store away from light, below $-20\text{ }^{\circ}\text{C}$ (Solid)
Solubility : Soluble in methanol
Purity : > 98% on HPLC

HPLC analysis of cf3-coelenterazine



HPLC conditions

Column : Lichrosorb RP-18 (Merck, 5 μm , 4 x 125 mm)
Mobile phase : 0.1 % TFA aq (60-100% MeOH) 40'
Flow rate : 0.45 ml / min
Detection : UV 225 nm
Sample : 5 μl

Supplier	Contact us
<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: jphoton@jnc-corp.co.jp</p>