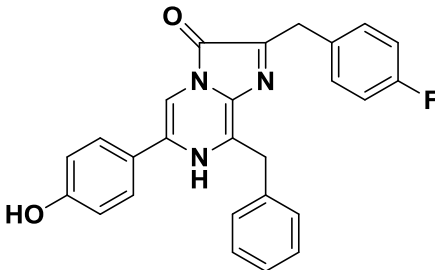


f-Coelenterazine	
Cat. No.:	S-011
Product code:	fZ
Product name:	f-Coelenterazine
Chemical structure:	
Chemical name:	8-benzyl-2-(4-fluorobenzyl)-6-(4-hydroxyphenyl)imidazo[1,2-a]pyrazin-3(7H)-one
Formula:	C ₂₆ H ₂₀ FN ₃ O ₂
Molecular weight:	425.46
Size:	250 µg (fZ-250), 1 mg (fZ-1000)
Purity:	>95% on HPLC
Shape:	Yellow powder
Storage:	Stored below -20 °C
Solubility:	Solved in methanol
Use:	Substrate for luciferases and photoproteins.
References:	1) Shimomura, O., Musicki, B. and Kishi, Y. (1989) Semi-synthetic aequorins with improved sensitivity to Ca²⁺ ions. <i>Biochem. J.</i> 261, 913-920(PMCID:PMC1138916). 2) Inouye, S. (2000) Fusions to imidazopyrazinone-type luciferases and aequorin as reporters. <i>Methods Enzymol.</i> 326, 165-174(PMID:11036642). 3) Inouye, S., Sato, J., Sahara-Miura, Y., Yoshida, S., Kurakata, H. and Hosoya, T. (2013) C6-Deoxy coelenterazine analogues as an efficient substrate for glow luminescence reaction of nanoKAZ: the mutated catalytic 19 kDa component of <i>Oplophorus</i> luciferase. <i>Biochem. Biophys. Res. Commun.</i> 437, 23-28(PMID:23792095).
Laboratory Reagent For Research Use Only	
Not for resale without prior written consent from JNC Corporation.	

Supplier	Contact us
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