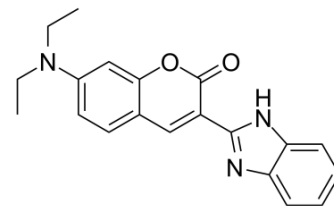


Coumarin 7

Cat. No.:	HY-125750
CAS No.:	27425-55-4
Molecular Formula:	C ₂₀ H ₁₉ N ₃ O ₂
Molecular Weight:	333.38
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Coumarin 7 is a coumarin laser dye in plants in the form of glycosides ^{[1][2]} .
In Vitro	Coumarin 7 has the maximum CL intensity ($I_{\max}=0.39 \times 10^{-9}$ photon/s•ml), total amount of light ($S=0.07 \times 10^{-10}$ photon/ml) and the yield of CL ($\phi_{\text{CL}}=0.12 \times 10^8$ Einstein/mol) ^[2] MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Sowrirajan Chandrasekaran, et al. Interaction of Coumarin 7 and Coumarin 314 with C-hexylpyrogallol[4]arene. 25 January 2014
- [2]. Kazakov DV, et al. Chemiluminescence in the reaction of 1,2,4,5-tetraoxanes with ferrous ions in the presence of xanthene dyes: fundamentals and perspectives of analytical applications. Photochem Photobiol Sci. 2019 May 15;18(5):1130-1137.

Caution: Product has not been fully validated for medical applications. For research use only.

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