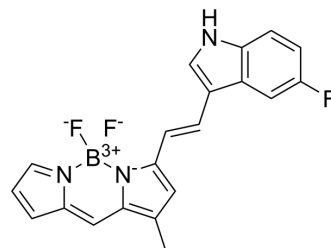


Caffeine orange

Cat. No.:	HY-D2264
CAS No.:	1632296-13-9
Molecular Formula:	C ₂₀ H ₁₅ BF ₃ N ₃
Molecular Weight:	365.16
Target:	Fluorescent Dye
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Caffeine orange (Compound 1) is an aqueous-phase fluorescence turn-on sensor for caffeine that is highly selective to caffeine. Caffeine orange makes caffeinated coffee appear orange when exposed to 532 nm of green excitation light. Caffeine orange has excellent photophysical properties such as high extinction coefficient, high light stability and narrow emission bandwidth, which can be used in the research of caffeine detection devices^[1]

REFERENCES

[1]. Young-Tae Chang, et al. Fluorescent caffeine sensor and portable kit and microfluidics device for caffeine detection. WIPO (PCT). WO2014171893A1. 2014-10-23.

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

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