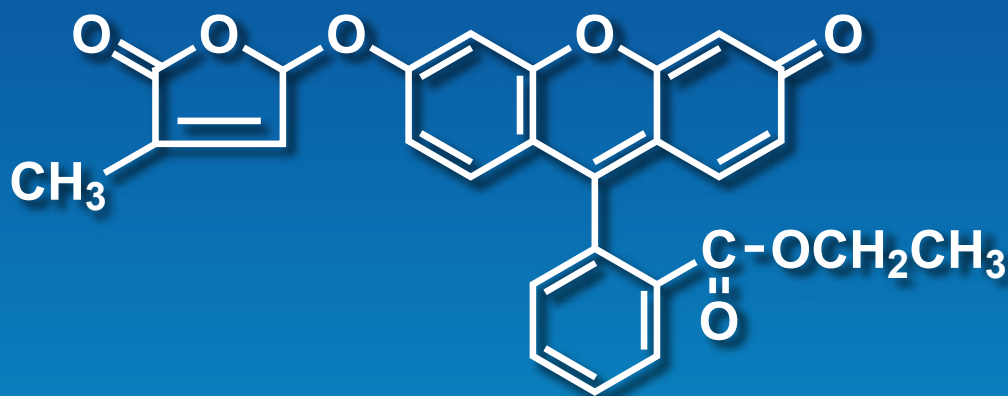


Fluorescent Agonist to Strigolactone Receptor

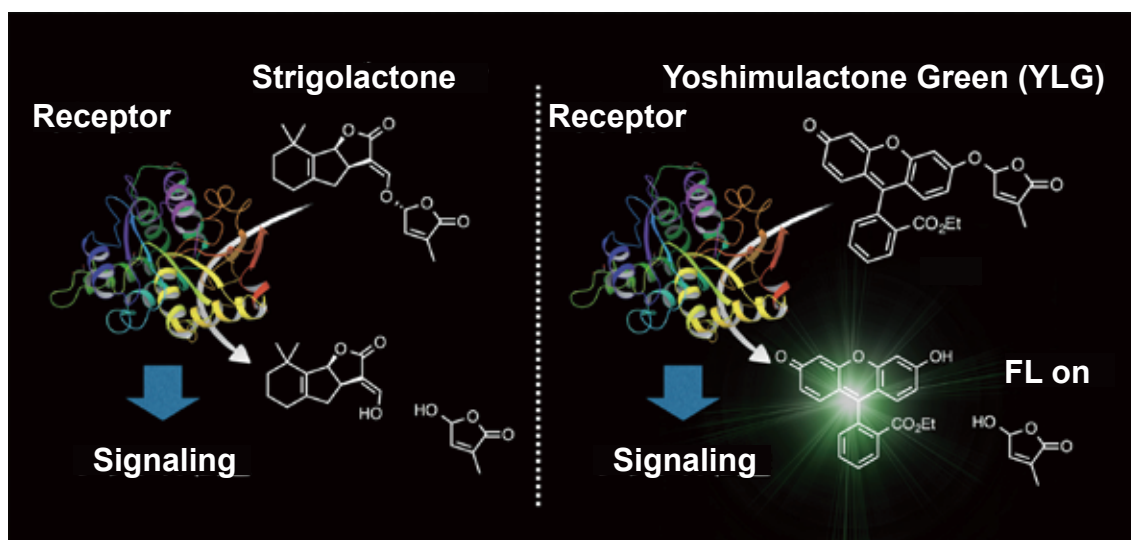


Yoshimulactone Green (YLG)

1mg / 10mg

[E1238]

Infection of harvests by *Striga*, a parasitic plant, leads to serious loss of production of crops in Africa. YLG [E1238] is a fluorescent agonist of the strigolactone receptor, which plays an important role in targeting the host plant by *Striga*. YLG is a fluorescent agonist to the receptor.



Detection mechanism of strigolactone receptor by using YLG

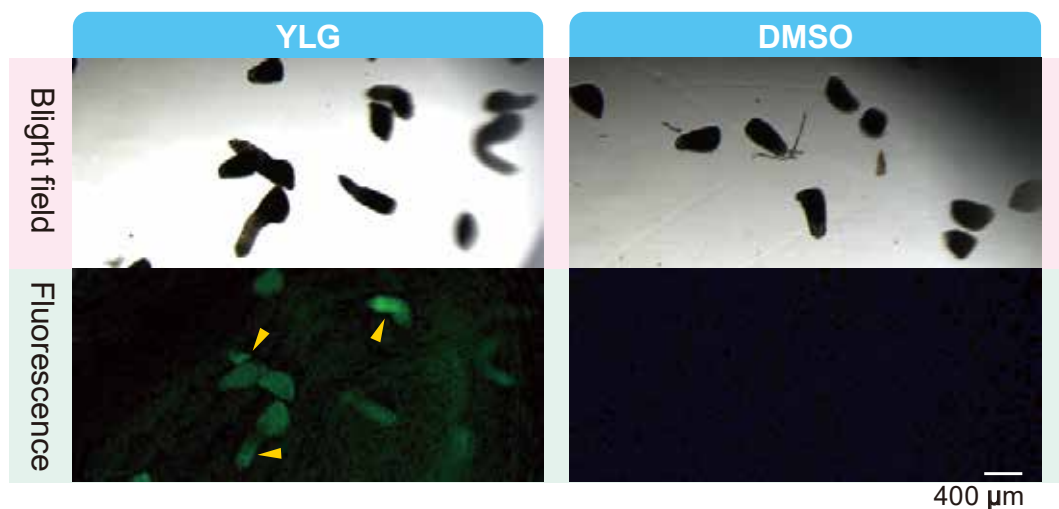
This product has been commercialized under the instruction of Dr. Shinya Hagihara.

Reference

Y. Tsuchiya, M. Yoshimura, Y. Sato, K. Kuwata, S. Toh, D. Holbrook-Smith, H. Zhang, P. McCourt, K. Itami, T. Kinoshita, S. Hagihara, *Science* **2015**, 349, 864.
<https://doi.org/10.1126/science.aab3831>

Fluorescent Agonist to Strigolactone Receptor

Application Example



Fluorescent Image of Striga (provided by Dr. Hagihara)

Suitable for *in vitro* assay and imaging

<Detection conditions>

Working concentration: 1 μ M YLG

Reaction buffer: 100 mM HEPES, 150 mM NaCl, pH 7.0

Fluorescence detection: λ_{ex} = 480 nm, λ_{em} = 520 nm

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