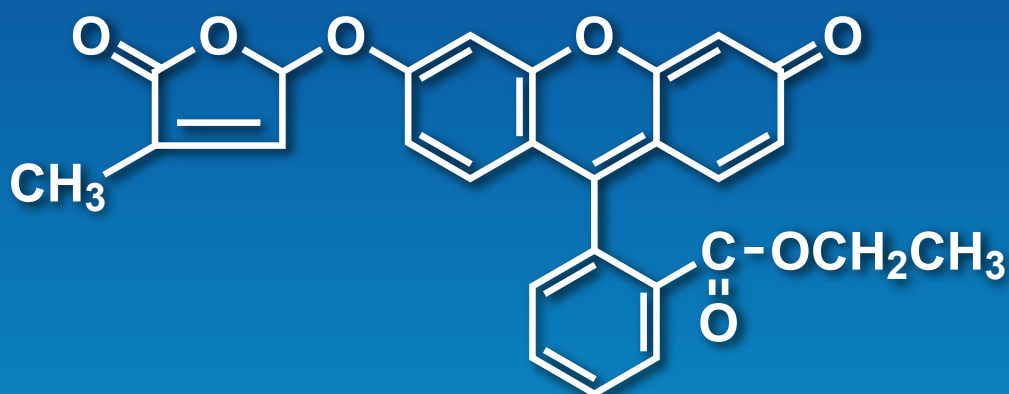
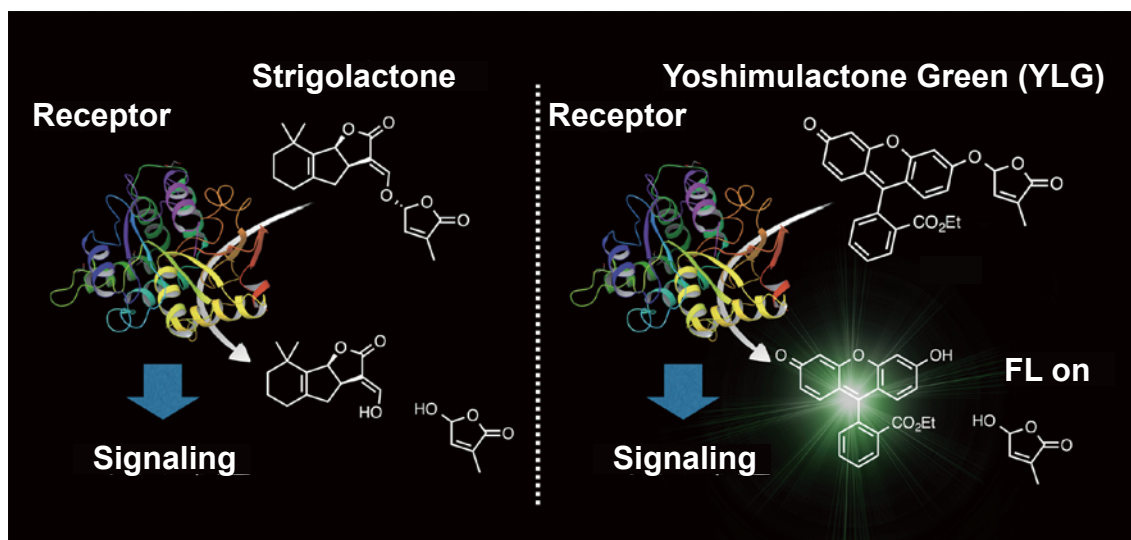


# Fluorescent Agonist to Strigolactone Receptor



[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

YLG [=Yoshimulactone Green]

1mg /10mg [E1238]

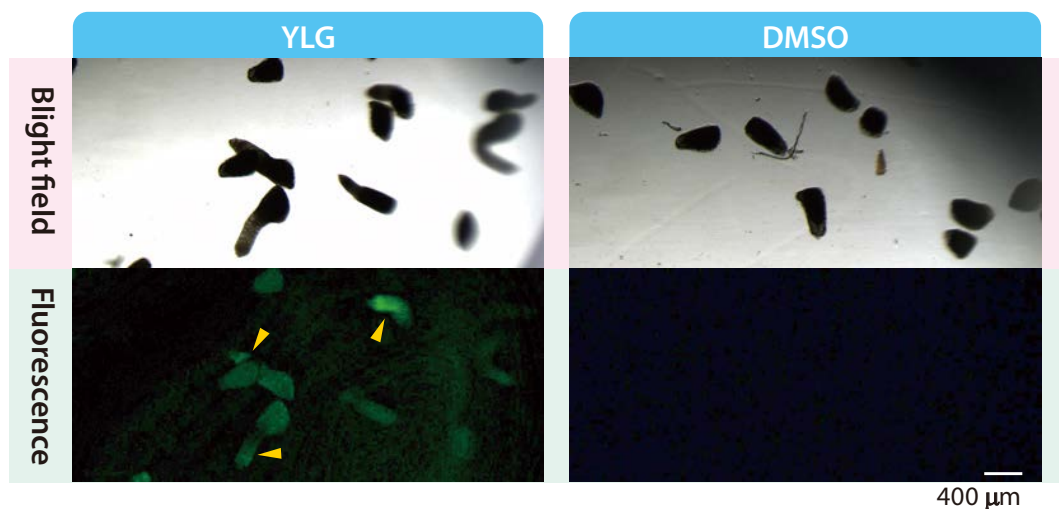
This product was commercialized by collaboration with Dr. Shinya Hagihara.

## 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.

# Fluorescent Agonist to Strigolactone Receptor

## Application Example



Fluorescent Image of Striga (provided by Dr. Hagihara)

## Suitable for *in vitro* assay & imaging

### <Detection conditions>

Working concentration: 1 μM YLG

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

Fluorescence detection: Ex.=480 nm, Em.=520 nm

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