(Stimulates early hatching of potato cyst nematodes)
K. Tanino, M. Takahashi, Y. Tomata, H. Tokura, T. Uehara, T. Narabu, M. Miyashita, Nat. Chem. 2011, 3, 484-488


13. DIBAI-H, THF
14. 1, $\mathrm{Et}_{2} \mathrm{Zn}, \mathrm{CH}_{2} \mathrm{I}_{2}$, DCM
15. $\mathrm{NaH}, \mathrm{BnBr}$, TBAI, DMF
16. TBAF, THF
17. $\mathrm{O} \mathrm{NO}_{2} \mathrm{C}_{6} \mathrm{H}_{4} \mathrm{SeCN}, \mathrm{Bu}_{3} \mathrm{P}$, THF
18. $\mathrm{H}_{2} \mathrm{O}_{2}$, THF

20. TBSCI, im, DMF
21. DMP, DCM
22. HF•Py, THF
23. BOMCI, DIPEA, TBAI
24. $\epsilon \mathrm{BuOCH}\left(\mathrm{NMe}_{2}\right)_{2}$, DMF
25. $\mathrm{Tf}_{2} \mathrm{O}, 2,6-(t \mathrm{Bu})_{2} \mathrm{Py}, \mathrm{DCM}$

26. 2, $t$-BuLi, THF
27. PPTS, DMF, $\mathrm{H}_{2} \mathrm{O}$ 28. TMSCI, im, DMF


33. $\mathrm{SeO}_{2}, 1,4$-dioxane, $\mathrm{H}_{2} \mathrm{O}$
34. $\mathrm{Cu}(\mathrm{OAc})_{2}, \mathrm{MeOH}$
35. Mel, $\mathrm{Ag}_{2} \mathrm{O}, \mathrm{DMF}$ 36. DIBAI-H, toluene
37. IBX, DCM/DMSO

44. TMSCI, im, DMF 45. DMP, DCM
46. $\mathrm{NaClO}_{2}, \mathrm{NaH}_{2} \mathrm{PO}_{4}$

2-methyl-2-butene, BuOH
47. $3 \mathrm{M} \mathrm{HCl}, \mathrm{CH}_{3} \mathrm{CO}_{2} \mathrm{H}, \mathrm{H}_{2} \mathrm{O}$


OTMs
3

