

A Journal of the Gesellschaft Deutscher Chemiker

Angewandte Chemie

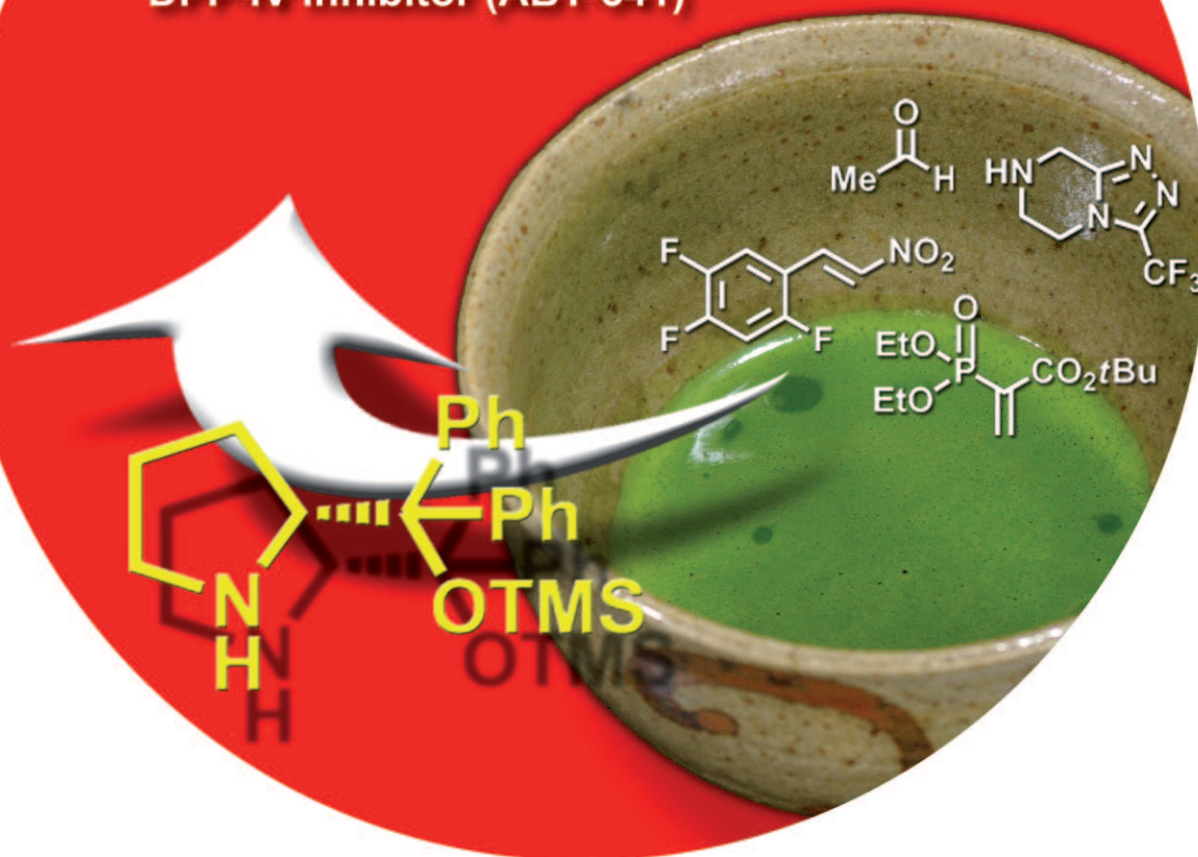
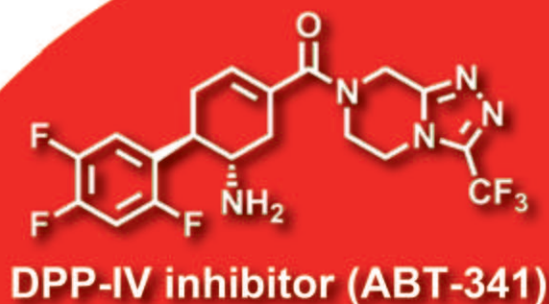
50
YEARS

International Edition



www.angewandte.org

2011–50/12



The dipeptidyl peptidase IV selective inhibitor ...

... ABT-341 was synthesized by an uninterrupted sequence of reactions in excellent yield with excellent diastereo- and enantioselectivity. Y. Hayashi et al. describe in their Communication on page 2824 ff. how a diphenylprolinyl silyl ether mediates the sequence of an asymmetric Michael reaction, a domino Michael/Horner–Wadsworth–Emmons reaction combined with a retro-aldol reaction, a base-catalyzed isomerization, an amide bond formation, and a reduction of the nitro group to an amine.

WILEY-VCH

Inside Cover

Hayato Ishikawa, Masakazu Honma, and Yujiro Hayashi*

The dipeptidyl peptidase IV selective inhibitor ABT-341 was synthesized by an uninterrupted sequence of reactions in excellent yield with excellent diastereo- and enantioselectivity. Y. Hayashi et al. describe in their Communication on page 2824 ff. how a diphenylprolinyl silyl ether mediates the sequence of an asymmetric Michael reaction, a domino Michael/Horner–Wadsworth–Emmons reaction combined with a retro-aldol reaction, a base-catalyzed isomerization, an amide bond formation, and a reduction of the nitro group to an amine.

