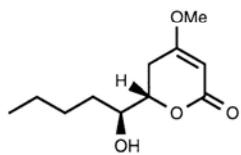


Naturstoffsynthesen in der Gruppe Seebach

Cyclische Ether, Acetale und Lactone

Pestalotin (1974)



Spiropheromone (1980)

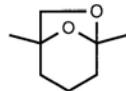


R = Me, Et

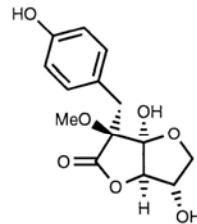
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E. Hungerbühler, R. Naef, D. Wasmuth, D. Seebach,
H.-R. Loosli, A. Wehrli, *Helv. Chim. Acta* **63**, 1960
(1980)

Frontalin (1983)



Delesserin (1984)

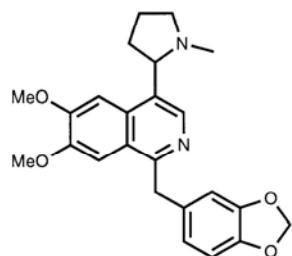


R. Naef, D. Seebach, *Liebigs Ann. Chem.* 1930 (1983)

D. Seebach, M. Dust, R. Naef, M. Bänziger, *Angew. Chem.* **96**, 498 (1984); *Angew. Chem. Int. Ed. Engl.* **23**, 530 (1984)

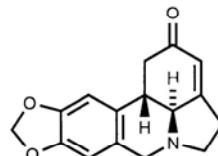
Isochinolinalkaloide

Macrostomin (1980)



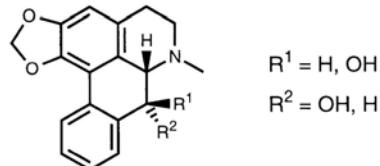
W. Wykypiel, D. Seebach, *Tetrahedron Lett.* **21**, 1927 (1980)

1-Desoxy-2-lycorinon (1982)



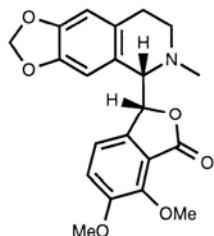
T. Weller, D. Seebach, *Tetrahedron Lett.* **23**, 935 (1982)

Ushinsunin, Oliverolin (1985)



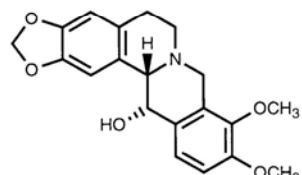
D. Seebach, I. M. P. Huber, *Chimia* **39**, 233 (1985)

β -Hydrastin (1987)



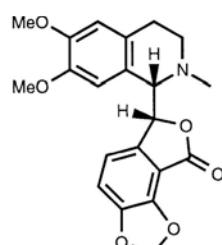
D. Seebach, I. M. P. Huber, M. A. Syfrig, *Helv. Chim. Acta* **70**, 1357 (1987)

Ophiocarpin (1987)



D. Seebach, I. M.P. Huber, M. A. Syfrig, *Helv. Chim. Acta* **70**, 1357 (1987)

Corlumin (1987)



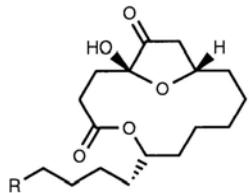
I. M.P. Huber, D. Seebach, *Helv. Chim. Acta* **70**, 1944 (1987)

Macrolide

Gloeosporon (1987, 1989)

ω -Hydroxybutyl-gloeosporon (1990)

W. L. Meyer, W. B. Schweizer, A. K. Beck, W. Scheifele, D. Seebach,
S. L. Schreiber, S. E. Kelly, *Helv. Chim. Acta* **70**, 281 (1987)



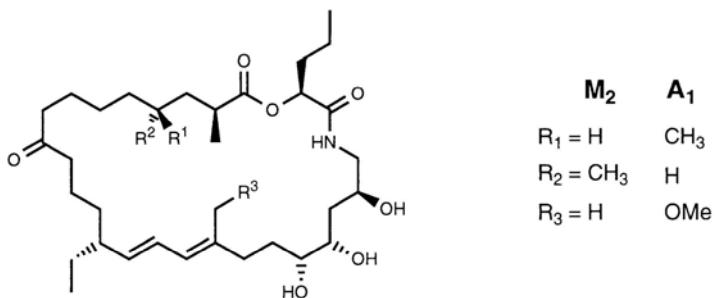
G. Adam, R. Zibuck, D. Seebach,
J. Am. Chem. Soc. **109**, 6176 (1987)

D. Seebach, G. Adam, R. Zibuck, W. Simon, M. Rouilly, W. L. Meyer,
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R = Me, OH

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D. Seebach, M. A. Maestro, M. Sefkow, A. Neidlein, F. Sternfeld, G. Adam, T.
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M. A. Maestro, M. Sefkow, D. Seebach, *Liebigs Ann. Chem.* 731 (1994)

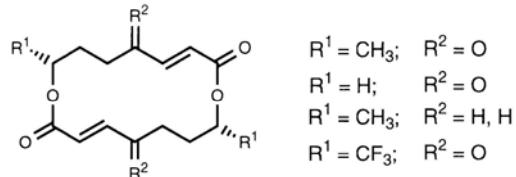
Macrodiolide

Pyrenophorin (1977, 1978, 1981)

Didesmethylpyrenophorin (1978)

Didesoxypyrenophorin (1979)

Hexafluoropyrenophorin (1996, in Arbeit)



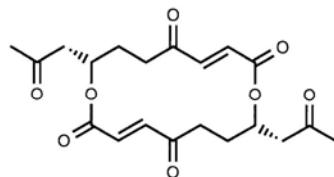
D. Seebach, B. Seuring, H.-O. Kalinowski, W. Lubosch,
B. Renger, *Angew. Chem.* **89**, 270 (1977), *Angew. Chem. Int. Ed. Engl.* **16**, 264 (1977)

B. Seuring, D. Seebach, *Liebigs Ann. Chem.* 2044
(1978)

D. Seebach, M. Pohmakotr, *Helv. Chim. Acta* **62**,
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R. S. Mali, M. Pohmakotr, B. Weidmann, D. Seebach,
Liebigs Ann. Chem. 2272 (1981)

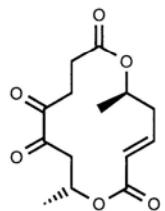
Vermiculin (1977, 1978)



D. Seebach, B. Seuring, H.-O. Kalinowski, W. Lubosch,
B. Renger, *Angew. Chem.* **89**, 270 (1977), *Angew. Chem. Int. Ed. Engl.* **16**, 264 (1977)

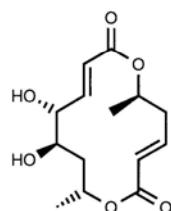
B. Seuring, D. Seebach, *Liebigs Ann. Chem.* 2044
(1978)

Grahamimycin (1982)



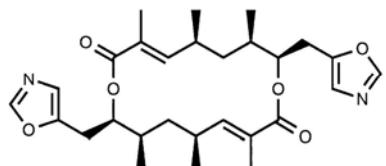
W. Seidel, D. Seebach, *Tetrahedron Lett.* **23**, 159 (1982)

Colletodiol (1984, 1986)



P. Schnurrenberger, E. Hungerbühler, D. Seebach,
Tetrahedron Lett. **25**, 2209 (1984)

Conglobatin (1984, 1986)



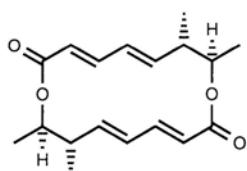
C. Schregenberger, D. Seebach, *Tetrahedron Lett.* **25**, 5881 (1984)

C. Schregenberger, D. Seebach, *Liebigs Ann. Chem.* 2081 (1986)

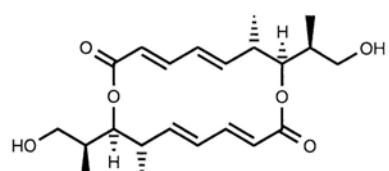
Macrodiolide

11,11'-Di-O-Methylelaiphyliden (1985, 1986)

Model 1, (1983)



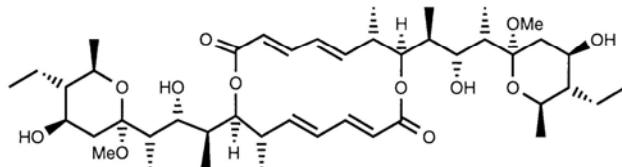
Model 2, (1985)



M. A. Sutter, D. Seebach, *Liebigs Ann. Chem.* 939 (1983)

D. Seebach, H.-F. Chow, R. F. W. Jackson, K. Lawson, M. A. Sutter, S. Thaisrivongs, J. Zimmermann, *J. Am. Chem. Soc.* 107, 5292 (1985)

11,11'-Di-O-Methylelaiphyliden



R. F. W. Jackson, M. A. Sutter, D. Seebach, *Liebigs Ann. Chem.* 2313 (1985)

D. Seebach, H.-F. Chow, R. F. W. Jackson, M. A. Sutter, S. Thaisrivongs, J. Zimmermann, *Liebigs Ann. Chem.* 1281 (1986)