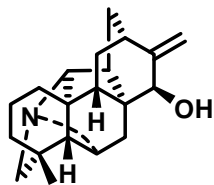
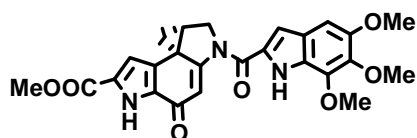


(±)-Nominine



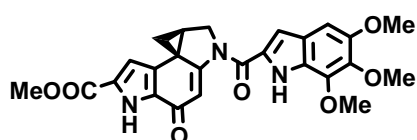
Angew. Chem. Int. Ed., **43**, 4646-4649 (2004).
有機合成化学協会誌, **64**(3), 237-250 (2006).
Tetrahedron, **62**, 7056-7070 (2006).
Tetrahedron, **62**, 7071-7092 (2006).
Tetrahedron, **62**, 7093-7112 (2006).

Natural (+)-Duocarmycin SA



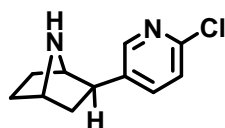
1st generation: *Chem. Pharm. Bull.*, **44**, 67-79 (1996).
 2nd generation: *Chem. Pharm. Bull.*, **44**, 1631-1633 (1996).
 2nd generation: *Chem. Pharm. Bull.*, **46**, 400-412 (1998).
 3rd generation: *Chem. Pharm. Bull.*, **46**, 559-571 (1998).

(±)- and Unnatural (-)-Duocarmycin SA



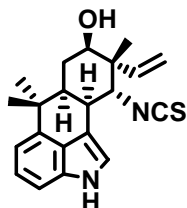
1st generation: *Tetrahedron Lett.*, **35**, 2573-2576 (1994).
 3rd generation: *Chem. Pharm. Bull.*, **43**, 1064-1066 (1995).
 1st generation: *Chem. Pharm. Bull.*, **44**, 67-79 (1996).
 2nd generation: *Chem. Pharm. Bull.*, **44**, 1631-1633 (1996).
 2nd generation: *Chem. Pharm. Bull.*, **46**, 400-412 (1998).

(±)-Epibatidine



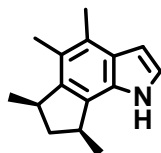
Chem. Pharm. Bull., **42**, 1432-1436 (1994).

Natural (+)-Hapalindole O



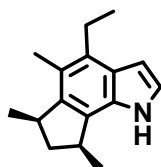
Chem. Pharm. Bull., **42**, 1393-1398 (1994).

Unnatural (+)-Herbindole A



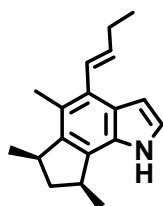
Tetrahedron Lett., **33**, 4595-4598 (1992).
Chem. Pharm. Bull., **42**, 854-864 (1994).

Unnatural (+)-Herbindole B



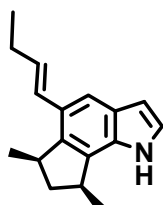
Tetrahedron Lett., **33**, 4595-4598 (1992).
Chem. Pharm. Bull., **42**, 854-864 (1994).

Unnatural (+)-Herbindole C



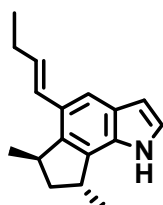
Tetrahedron Lett., **33**, 4595-4598 (1992).
Chem. Pharm. Bull., **42**, 854-864 (1994).

Natural (+)- and (±)-cis-Trikentrin B



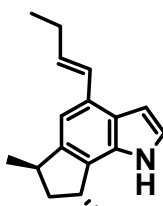
Tetrahedron, **46**, 4179-4192 (1990).
Tetrahedron Lett., **34**, 4815-4818 (1993).
Chem. Pharm. Bull., **42**, 854-864 (1994).

Unnatural (+)- and (±)-trans-Trikentrin B



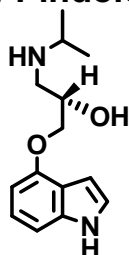
Tetrahedron, **46**, 4179-4192 (1990).
Tetrahedron Lett., **34**, 4815-4818 (1993).
Chem. Pharm. Bull., **42**, 854-864 (1994).

Unnatural (+)- and (±)-iso-trans-Trikentrin B



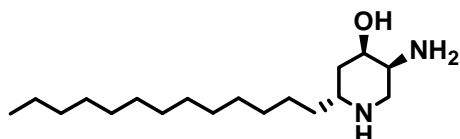
Tetrahedron, **46**, 4179-4192 (1990).
Tetrahedron Lett., **34**, 4815-4818 (1993).
Chem. Pharm. Bull., **42**, 854-864 (1994).

(S)-(-)- and (±)-Pindolol



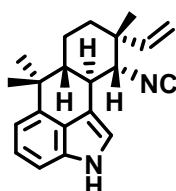
Chem. Pharm. Bull., **40**, 2353-2357 (1992).
Chem. Pharm. Bull., **40**, 2358-2361 (1992).

(±)-Tetrahydropseudodistomine



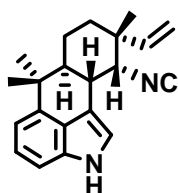
Heterocycles, **33**, 349-356 (1992).

(±)-Hapalindole H



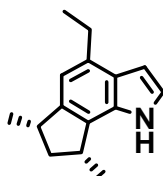
Tetrahedron, **46**, 6351-6360 (1990).

(±)-Hapalindole U



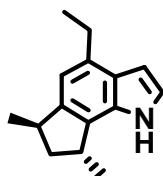
Tetrahedron, **46**, 6351-6360 (1990).

Unnatural (-)- and (±)-cis-Trikentrin A



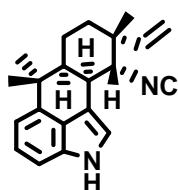
Tetrahedron Lett., **30**, 5771-5772 (1989).
Tetrahedron, **46**, 4179-4192 (1990).

Unnatural (-)- and (±)-trans-Trikentrin A



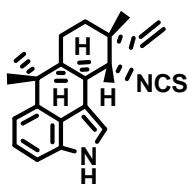
Tetrahedron Lett., **30**, 5771-5772 (1989).
Tetrahedron, **46**, 4179-4192 (1990).

(±)-Hapalindole J



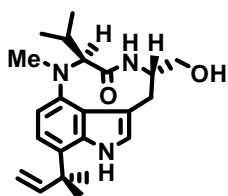
Tetrahedron Lett., **30**, 1815-1818 (1989).
Tetrahedron, **46**, 6331-6342 (1990).

(±)-Hapalindole M



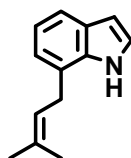
Tetrahedron Lett., **30**, 1815-1818 (1989).
Tetrahedron, **46**, 6331-6342 (1990).

Natural (-)-Pendolmycin



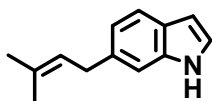
Tetrahedron, **46**, 5113-5120 (1990).
Tetrahedron, **47**, 7615-7624 (1991).
Tetrahedron, **47**, 8545-8558 (1991).

7-(3-Methyl-2-butenyl)indole



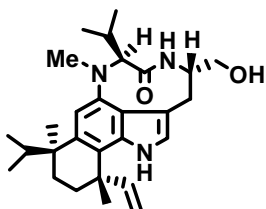
Heterocycles, **29**, 771-782 (1989).

6-(3-Methyl-2-butenyl)indole



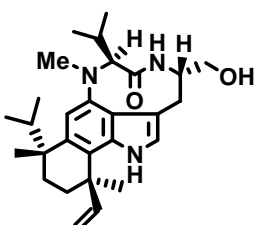
Heterocycles, **29**, 771-782 (1989).

Natural (-)-Teleocidin B-3



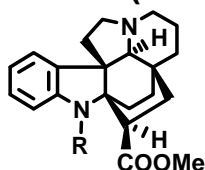
Chem. Pharm. Bull., **37**, 563-564 (1989).
Tetrahedron, **47**, 8559-8572 (1991).

Natural (-)-Teleocidin B-4



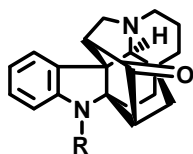
Chem. Pharm. Bull., **37**, 563-564 (1989).
Tetrahedron, **47**, 8559-8572 (1991).

(±)-Kopsinine (R=H, formal syn.) ; (±)-Pleiocarpinine (R=Me, formal syn.)
(±)-Aspidofractine (R=CHO, formal syn.) ; (±)-Pleiocarpine (R=COOMe, formal syn.)



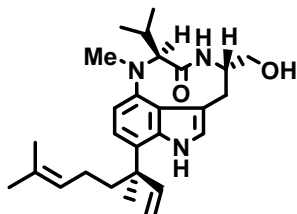
Tetrahedron Lett., **28**, 3985-3986 (1987).

(±)-Kopsanone (R=H, formal syn.); (±)-N-ethylkopsanone (R=Me, formal syn.)



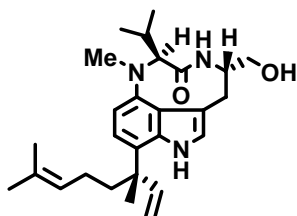
Tetrahedron Lett., **28**, 3985-3986 (1987).

Lynngbyatoxin A (= Teleocidin A-1)



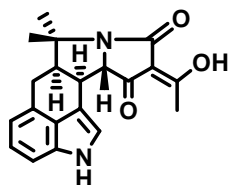
Tetrahedron Lett., **28**, 2265-2268 (1987).
Tetrahedron, **47**, 8545-8558 (1991).

Teleocidin A-2



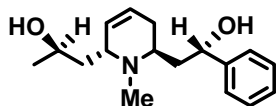
Tetrahedron Lett., **28**, 2265-2268 (1987).
Tetrahedron, **47**, 8545-8558 (1991).

(±)- α -Cyclopiazonic Acid



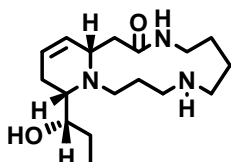
Heterocycles, **23**, 1111-1117 (1985).

(±)-Sedinine



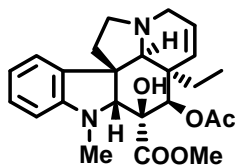
Heterocycles, **23**, 831-834 (1985).

(±)-Palustrine



Chem. Pharm. Bull., **32**, 812-814 (1984).
Chem. Pharm. Bull., **32**, 3789-3791 (1984).

(±)-Vindorosine (formal syn.)



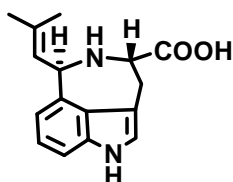
Chem. Pharm. Bull., **32**, 2477-2479 (1984).

(±)-Cannabisativine



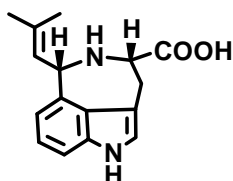
Tetrahedron Lett., **25**, 969-972 (1984).

(±)-Clavicipitic Acid I



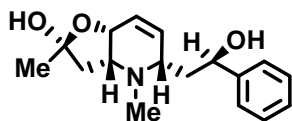
Heterocycles, **20**, 1963-1968 (1983).

(±)-Clavicipitic Acid II



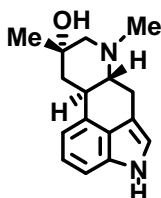
Heterocycles, **20**, 1963-1968 (1983).

(±)-Sedacryptine



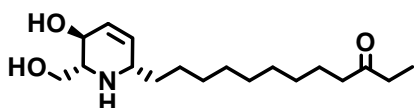
Heterocycles, **22**, 601-605 (1983).

(±)-Dihydrosetoclavine



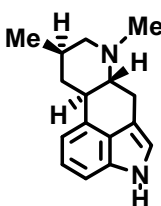
Heterocycles, **16**, 375-379 (1981).
Heterocycles, **16**, 1481-1486 (1981).

(±)-Prosophylline



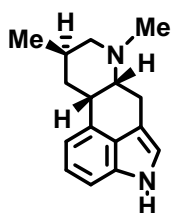
Heterocycles, **16**, 973-977 (1981).

(±)-Festuclavine



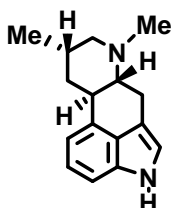
unpublished data

(±)-Costaclavine



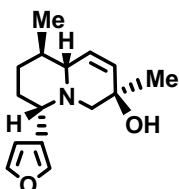
unpublished data

(±)-Pyroclavine



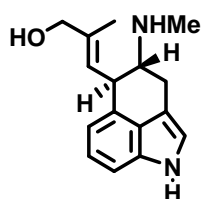
unpublished data

(±)-Nupharolutine



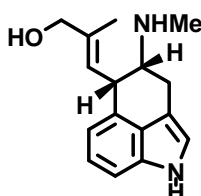
Heterocycles, **15**, 237-240 (1981).

(±)-Chanolavine I



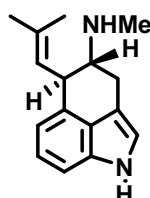
Heterocycles, **16**, 375-379 (1981).

(±)-Chanolavine II



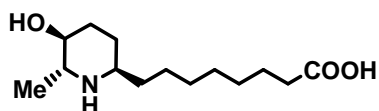
unpublished data

(±)-6,7-Secoagroclavine



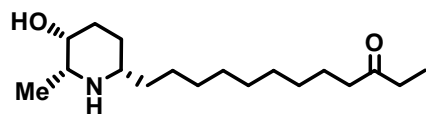
Heterocycles, **14**, 1101-1105 (1980).

(±)-Pseudocarpamic Acid



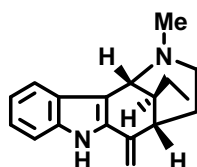
Heterocycles, **14**, 615-618 (1980).

(±)-Prosafrinine



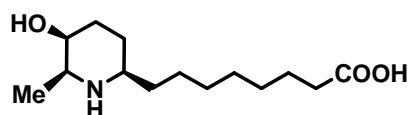
Heterocycles, **14**, 615-618 (1980).

(±)-3-Epiuleine



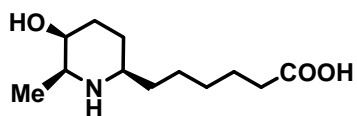
Tetrahedron Lett., **21**, 839-840 (1980).

(±)-Carpamic Acid



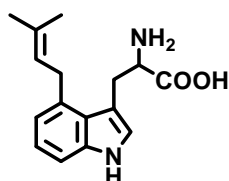
Heterocycles, **14**, 169-173 (1980).

(±)-Azimic Acid



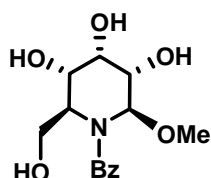
Heterocycles, **14**, 169-173 (1980).

(±)-4-(3-Methyl-2-butenyl)tryptophan (formal syn.)



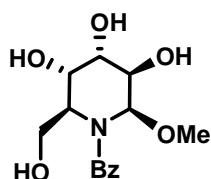
Tetrahedron Lett., 1979, 3477-3480.

(±)-1-O-Methyl-5-benzamido-5-deoxyallopiperidinoses



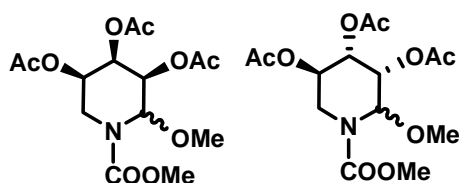
Chem. Pharm. Bull., **26**, 3364-3372 (1978).

(±)-1-O-Methyl-5-benzamido-5-deoxyaltropiperidinoses



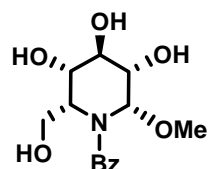
Chem. Pharm. Bull., **26**, 3364-3372 (1978).

(±)-5-Amino-5-deoxyribose deriv. and (±)-5-Amino-5-deoxyxylose deriv.



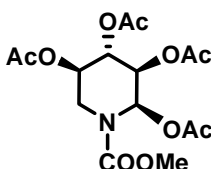
Chem. Pharm. Bull., **26**, 2188-2197 (1978).

(±)-1-O-Methyl-5-benzamido-5-deoxy-dl-idopiperidinoses



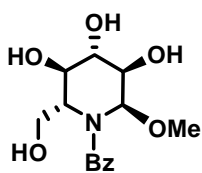
Chem. Pharm. Bull., **24**, 2657-2660 (1976).

(±)-5-Methoxycarbonyl-5-deoxy-dl-xylopiperidinoses tetraacetate



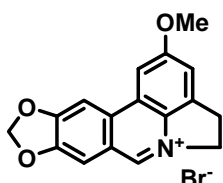
Chem. Pharm. Bull., **24**, 2651-2656 (1976).

(±)-1-O-Methyl-N-benzoyl-dl-nojirimycin



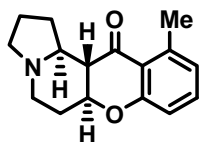
Chem. Pharm. Bull., **23**, 2567-2572 (1975).

Ungeremine III Methobromide



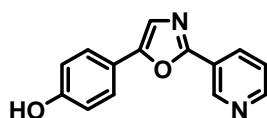
Tetrahedron Lett., **1974**, 1179-1180.

(±)-Elaeocarpine



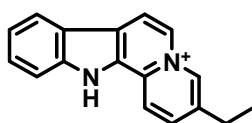
Tetrahedron Lett., **1971**, 4395-4398.

Halfordinol



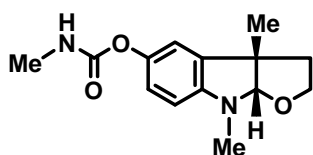
Tetrahedron Lett., **1971**, 4393-4394.

Flavopereirine (formal syn.)



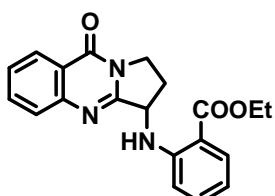
unpublished data

(±)-Physovenine (formal syn.)



Tetrahedron Lett., **1971**, 4391-4392.

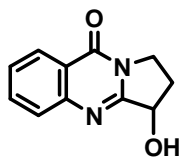
(±)-Anisessine



Tetrahedron Lett., **1971**, 4387-4390.

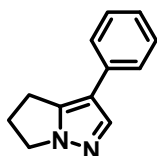
乙卯研究所 全合成天然有機化合物 構造式集 (10/10)

(±)-Vasicinone



Tetrahedron Lett., 1971, 4387-4390.

Withasomnine



Tetrahedron Lett., 1968, 5711-5714.