

STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN	SPINOSAD
PRONUNCIATION	spin' oh sad
THERAPEUTIC CLAIM	Pediculicide

CHEMICAL NAMES

1. factor A:

*1H-as-Indaceno[3,2-d]oxacyclododecin-7,15-dione, 2-[(6-deoxy-2,3,4-tri-O-methyl- $\alpha$ -L-mannopyranosyl)oxy]-13-[[*(2R,5S,6R)*-5-(dimethylamino)tetrahydro-6-methyl-2*H*-pyran-2-yl]oxy]-9-ethyl-2,3,3a,5a,5b,6,9,10,11,12,13,14,16a,16b-tetradecahydro-14-methyl-, (*2R,3aS,5aR,5bS,9S,13S,14R,16aS,16bR*)-*

factor D:

*1H-as-Indaceno[3,2-d]oxacyclododecin-7,15-dione, 2-[(6-deoxy-2,3,4-tri-O-methyl- $\alpha$ -L-mannopyranosyl)oxy]-13-[[*(2R,5S,6R)*-5-(dimethylamino)tetrahydro-6-methyl-2*H*-pyran-2-yl]oxy]-9-ethyl-2,3,3a,5a,5b,6,9,10,11,12,13,14,16a,16b-tetradecahydro-4,14-dimethyl-, (*2S,3aR,5aS,5bS,9S,13S,14R,16aS,16bS*)-*

2. factor A:

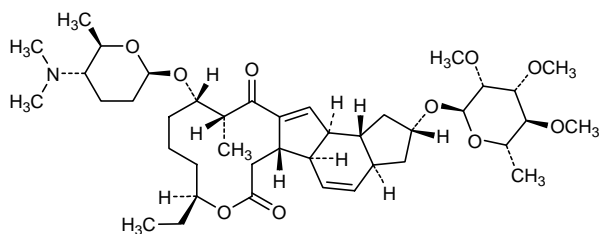
*(2R,3aS,5aR,5bS,9S,13S,14R,16aS,16bR)-2-[(6-deoxy-2,3,4-tri-O-methyl- $\alpha$ -L-mannopyranosyl)oxy]-13-[[*(2R,5S,6R)*-5-(dimethylamino)tetrahydro-6-methyl-2*H*-pyran-2-yl]oxy]-9-ethyl-14-methyl-2,3,3a,5a,5b,6,9,10,11,12,13,14,16a,16b-tetradecahydro-1*H-as-indaceno*[3,2-*d*]oxacyclododecin-7,15-dione*

factor D:

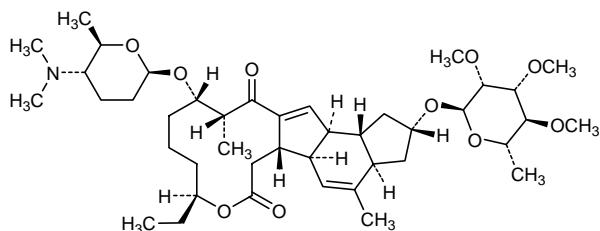
*(2R,3aS,5aR,5bS,9S,13S,14R,16aS,16bR)-2-[(6-deoxy-2,3,4-tri-O-methyl- $\alpha$ -L-mannopyranosyl)oxy]-13-[[*(2R,5S,6R)*-5-(dimethylamino)tetrahydro-6-methyl-2*H*-pyran-2-yl]oxy]-9-ethyl-4,14-dimethyl-2,3,3a,5a,5b,6,9,10,11,12,13,14,16a,16b-tetradecahydro-1*H-as-indaceno*[3,2-*d*]oxacyclododecin-7,15-dione*

## STRUCTURAL FORMULA

factor A:



factor D:



MOLECULAR FORMULA

factor A:  $C_{41}H_{65}NO_{10}$

factor D:  $C_{42}H_{67}NO_{10}$

MOLECULAR WEIGHT

factor A: 731.461

factor D: 745.477

TRADEMARK

None as yet

MANUFACTURER

Dow Agro Sciences

CODE DESIGNATION

XDE-105; LY-232105, PP-105

CAS REGISTRY NUMBER

factor A: 131929-60-7

factor D: 131929-63-0