

Errata

河端繁勝, 大黒絹枝, 向井典江, 大森和則, 宮本 寿, 玉岡 寿: 新型ピリドンカルボン酸系合成抗菌剤 OPC-7251 に関する細菌学的評価—第 1 報 *In vitro* における抗菌作用—. *Chemotherapy* 37 (9): 1160 ~ 1178, 1978

Table 1 ~ 3 NFLX および OFLX 部分を追加挿入

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Table 1. Antimicrobial spectrum against aerobic gram-positive bacteria

Organism	10 ⁶ cells/ml					
	OPC-7251	TC	EM	CLDM	NFLX	OFLX
<i>Staphylococcus aureus</i> FDA 209 P	0.012	0.20	0.10	0.05	0.39	0.20
<i>Staphylococcus aureus</i> SMITH	0.024	0.39	0.20	0.05	0.39	0.20
<i>Staphylococcus epidermidis</i> ATCC 12228	0.012	50	0.05	0.024	0.20	0.10
<i>Staphylococcus epidermidis</i> IFO 3762	0.20	0.39	0.05	0.78	—	—
<i>Micrococcus luteus</i> ATCC 9341	0.39	0.39	0.012	—	—	—
<i>Enterococcus faecalis</i> *	0.39	0.78	0.05	12.5	—	—
<i>Enterococcus faecalis</i> IFO 12580*	0.39	0.78	0.78	6.25	1.56	1.56
<i>Streptococcus pyogenes</i> IID Cook*	0.39	0.39	0.012	0.024	3.13	1.56
<i>Streptococcus pneumoniae</i> type 2*	0.78	100	0.39	25	3.13	1.56
<i>Streptococcus pneumoniae</i> type 3*	—	—	—	—	6.25	1.56
<i>Streptococcus viridans</i> *	0.39	0.78	0.39	12.5	—	—
<i>Bacillus subtilis</i> ATCC 6633	0.012	0.39	0.05	0.39	0.20	0.10

MIC (μg/ml)

Organism	10 ⁸ cells/ml					
	OPC-7251	TC	EM	CLDM	NFLX	OFLX
<i>Staphylococcus aureus</i> FDA 209 P	0.024	0.78	0.20	0.10	0.78	0.39
<i>Staphylococcus aureus</i> SMITH	0.024	0.78	0.39	0.10	0.78	0.39
<i>Staphylococcus epidermidis</i> ATCC 12228	0.05	100	0.10	0.10	0.39	0.39
<i>Staphylococcus epidermidis</i> IFO 3762	0.20	0.39	0.20	0.78	—	—
<i>Micrococcus luteus</i> ATCC 9341	0.39	0.78	0.024	—	—	—
<i>Enterococcus faecalis</i> *	0.78	3.13	0.05	12.5	—	—
<i>Enterococcus faecalis</i> IFO 12580*	0.39	1.56	0.78	12.5	3.13	3.13
<i>Streptococcus pyogenes</i> IID Cook*	0.39	0.78	0.012	0.05	3.13	1.56
<i>Streptococcus pneumoniae</i> type 2*	0.78	100	0.39	25	6.25	1.56
<i>Streptococcus pneumoniae</i> type 3*	0.20	0.20	0.024	≤0.006	12.5	1.56
<i>Streptococcus viridans</i> *	0.78	1.56	0.78	12.5	—	—
<i>Bacillus subtilis</i> ATCC 6633	0.012	0.39	0.10	0.78	0.20	0.10

MIC (μg/ml)

Medium: Mueller-Hinton agar (Difco)

*: Supplemented with 5% horse blood

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Table 2. Antimicrobial spectrum against aerobic gram-negative bacteria

Organism	10 ⁸ cells/ml					
	OPC-7251	TC	EM	CLDM	NFLX	OFLX
<i>Escherichia coli</i> NIHJ JC-2	0.39	1.56	100	100	0.20	0.10
<i>Klebsiella pneumoniae</i> NCTC 9362	0.20	0.78	50	100	0.05	0.05
<i>Salmonella typhi</i> NCTC 8393	0.05	0.39	50	50	0.024	0.012
<i>Salmonella enteritidis</i> IFO 3313	0.78	1.56	100	>100	0.05	0.05
<i>Shigella sonnei</i> EW-33	0.78	1.56	100	>100	0.10	0.10
<i>Enterobacter aerogenes</i> ATCC 13048	0.78	3.13	100	>100	—	—
<i>Enterobacter cloacae</i> ATCC 13047	0.78	1.56	>100	>100	0.10	0.10
<i>Serratia marcescens</i> IFO 12648	0.39	12.5	25	50	0.10	0.20
<i>Citrobacter freundii</i> IFO 12681	0.20	0.78	12.5	50	0.024	0.012
<i>Proteus mirabilis</i> 1287	0.05	50	>100	>100	0.10	0.10
<i>Morganella morganii</i> IID KONO	0.78	0.78	>100	25	0.10	0.10
<i>Acinetobacter calcoaceticus</i> Ac-54	0.39	3.13	12.5	>100	3.13	0.39
<i>Pseudomonas aeruginosa</i> ATCC 10145	3.13	12.5	>100	>100	0.78	1.56
<i>Pseudomonas aeruginosa</i> NCTC 10490	0.39	25	>100	>100	0.39	0.78

MIC ($\mu\text{g/ml}$)

Organism	10 ⁸ cells/ml					
	OPC-7251	TC	EM	CLDM	NFLX	OFLX
<i>Escherichia coli</i> NIHJ JC-2	0.39	3.13	100	100	0.20	0.10
<i>Klebsiella pneumoniae</i> NCTC 9362	0.39	0.78	100	100	0.10	0.10
<i>Salmonella typhi</i> NCTC 8393	0.10	0.78	100	100	0.05	0.024
<i>Salmonella enteritidis</i> IFO 3313	1.56	1.56	>100	>100	0.10	0.10
<i>Shigella sonnei</i> EW-33	0.78	3.13	>100	>100	0.20	0.20
<i>Enterobacter aerogenes</i> ATCC 13048	1.56	3.13	100	>100	—	—
<i>Enterobacter cloacae</i> ATCC 13047	0.78	3.13	>100	>100	0.20	0.10
<i>Serratia marcescens</i> IFO 12648	0.78	25	50	100	0.20	0.20
<i>Citrobacter freundii</i> IFO 12681	0.39	1.56	50	50	0.05	0.024
<i>Proteus mirabilis</i> 1287	0.05	50	>100	>100	0.10	0.10
<i>Morganella morganii</i> IID KONO	0.78	1.56	>100	50	0.10	0.20
<i>Acinetobacter calcoaceticus</i> Ac-54	0.78	3.13	25	>100	6.25	0.78
<i>Pseudomonas aeruginosa</i> ATCC 10145	3.13	25	>100	>100	0.78	1.56
<i>Pseudomonas aeruginosa</i> NCTC 10490	1.56	50	>100	>100	0.78	1.56

Medium : Mueller-Hinton agar (Difco)

MIC ($\mu\text{g/ml}$)

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Table 3. Antimicrobial spectrum against anaerobic bacteria

Organism	10 ⁶ cells/ml					
	OPC-7251	TC	EM	CLDM	NFLX	OFLX
<i>Clostridium perfringens</i> ATCC 13123	0.10	0.10	1.56	0.05	—	—
<i>Eubacterium limosum</i> ATCC 8486	0.39	0.20	0.10	0.20	6.25	1.56
<i>Peptostreptococcus magnus</i> ATCC 14956	0.20	0.78	3.13	0.78	6.25	0.78
<i>Peptostreptococcus anaerobius</i> GM 1003	0.78	25	0.78	0.20	6.25	12.5
<i>Propionibacterium acnes</i> ATCC 6919	0.024	0.39	0.012	0.024	3.13	0.78
<i>Propionibacterium acnes</i> ATCC 11827	0.012	0.20	≤ 0.006	0.39	—	—
<i>Propionibacterium granulosum</i> ATCC 25564	≤ 0.006	0.39	≤ 0.006	0.012	0.78	0.20
<i>Bacteroides fragilis</i> GM 7000	1.56	0.20	1.56	0.10	100	3.13
<i>Bacteroides thetaiotomicron</i> WAL 3304	1.56	0.78	3.13	0.78	>100	12.5
<i>Bacteroides ovatus</i> Ju-6-1	6.25	25	6.25	0.20	>100	100
<i>Bacteroides vulgatus</i> ATCC 29237	0.78	0.20	1.56	0.024	—	—
<i>Fusobacterium necrophorum</i> S-45	0.78	0.05	6.25	—	12.5	6.25
<i>Veillonella parvula</i> ATCC 10790	0.78	0.78	6.25	0.024	1.56	0.78
MIC (μg/ml)						
Organism	10 ⁸ cells/ml					
	OPC-7251	TC	EM	CLDM	NFLX	OFLX
<i>Clostridium perfringens</i> ATCC 13123	0.20	0.10	1.56	0.05	—	—
<i>Eubacterium limosum</i> ATCC 8486	0.39	0.39	0.20	0.39	12.5	3.13
<i>Peptostreptococcus magnus</i> ATCC 14956	0.20	0.78	3.13	1.56	25	3.13
<i>Peptostreptococcus anaerobius</i> GM 1003	0.78	50	1.56	0.20	12.5	12.5
<i>Propionibacterium acnes</i> ATCC 6919	0.10	1.56	0.05	0.05	6.25	1.56
<i>Propionibacterium acnes</i> ATCC 11827	0.39	0.78	0.024	0.39	—	—
<i>Propionibacterium granulosum</i> ATCC 25564	0.05	0.78	0.024	0.012	1.56	0.39
<i>Bacteroides fragilis</i> GM 7000	1.56	0.39	3.13	0.20	>100	6.25
<i>Bacteroides thetaiotomicron</i> WAL 3304	3.13	0.78	3.13	1.56	>100	25
<i>Bacteroides ovatus</i> Ju-6-1	12.5	25	12.5	0.39	>100	100
<i>Bacteroides vulgatus</i> ATCC 29237	1.56	0.39	6.25	0.024	—	—
<i>Fusobacterium necrophorum</i> S-45	1.56	0.05	6.25	—	12.5	12.5
<i>Veillonella parvula</i> ATCC 10790	1.56	1.56	12.5	0.024	1.56	1.56
Medium : GAM agar (Nissui)						
MIC (μg/ml)						