

MNB

File under

PD - Emetic

thy
Jmax
3/31/80

PP-796

THERAPEUTIC FUNCTION

REGARDING PARAQUAT INGESTION

1. INDUCES EARLY EMESIS
2. INHIBITS GASTRIC EMPTYING

JEI
3/31/80

MINIMUM DOSE OF PP-796 FOUND
TO INDUCE EMESIS AND INHIBIT
GASTRIC EMPTYING (MG/KG)

	<u>EMESIS</u> <u>(WITHIN 1-HR. AFTER DOSING)</u>	<u>GASTRIC EMPTYING</u>
RAT	-	0.1
DOG	1.5	NA
PIG	1.0	NA
MONKEY	0.5 - 1.0	0.2
MAN	0.6	NA

ACUTE ORAL LD₅₀

PARAQUAT (MG/KG) vs. PARAQUAT + PP-796

	<u>PQ</u>	<u>PQ + PP-796</u>
MONKEY	60 - 70	250 - 500
Dog	25 - 30	100 - 200

EMETIC PARAQUAT FORMULATION

0.05% w/v

= 0.5 MG PP-796/ML PARAQUAT

10 ML PARAQUAT CONCENTRATE ESTIMATED MINIMUM ADULT
HUMAN DOSE

10 ML PARAQUAT CONTAINS 5 MG PP-796

ICI CLAIMS 5 MG PP-796 IS EXPECTED TO PRODUCE EMESIS
IN 80% OF THE CASES (0.07 MG/KG 70 KG MAN)

AMOUNT PARAQUAT <u>INGESTED</u>		EMETIC <u>DOSE</u>
10 ML	5 MG PP-796/70 KG MAN	0.07 MG/KG
10 ML	5 MG PP-796/30 KG MAN	0.17 MG/KG
20 ML (MOUTHFUL)	10 MG PP-796/70 KG MAN	0.14 MG/KG
20 ML (MOUTHFUL)	10 MG PP-796/30 KG MAN	0.33 MG/KG

CPIC
PARAQUAT POISONING CASES
INFLUENCE OF IMMEDIATE EMESIS
AND THE RECOMMENDED TREATMENT

<u>NAME</u>	<u>PARAQUAT DOSE</u>	<u>IMMEDIATE EMESIS</u>	<u>DELAY BEFORE MEDICAL TREATMENT</u>	<u>RECOMMENDED TREATMENT ADMINISTERED</u>
LASSITER	MOUTHFUL (~20 ML)	No	10-12 HRS.	DELAYED 3-DAYS
HIKE	"	"	2 HRS.	No
KEOLANUI	30-50 ML	"	2 HRS.	Yes
MAXEY	MOUTHFUL	"	2 DAYS	Yes
JENKINS	"	2 TIMES	24 HRS.	No
MAES	"	Yes	12 HRS.	DELAYED 3-4 DAYS

SURVIVORS

DAKOOZLIAN	30-50 ML	REPEATED EMESIS	22 HRS.	Yes
MURRAY	MOUTHFUL	"	6 DAYS	Yes

COMPARISON BETWEEN
MEAN PARAQUAT PLASMA LEVELS
IN MONKEYS TREATED WITH
NON-EMETISIZED vs. EMETISIZED
PARAQUAT

