

Leuprolide (cas 53714-56-0) MSDS

MSDS : Luteinizing hormone-releasing hormone (pig),
6-D-leucine-9-(N-ethyl-L-prolinamide)-
10-deglycinamide-

CAS : 53714-56-0

SYNONYMS : * A-43818

* (D-Leu (sup 6), des-gly-NH2 (sup 10), pro-ethylamide (sup 9)) -GNRH

* (D-Leu (sup 6), des-gly-NH2 (sup 10), pro-ethylamide (sup 9)) -gonadotropin-releasing hormone

* (D-Leu (sup 6), des-gly-NH2 (sup 10), pro-ethylamide (sup 9)) -LHRH

* Leuprolide

Catalog of Chemical Suppliers, Buyers, Custom Synthesis Companies And Equipment Manufacturers
[Luteinizing hormone-releasing hormone (pig),6-D-leucine-9-(N-ethyl-L-prolinamide)-10-deglycinamide-53714-56-0]

*** CHEMICAL IDENTIFICATION ***

RTECS NUMBER : OK6700000

CHEMICAL NAME : Luteinizing hormone-releasing hormone (pig),
6-D-leucine-9-(N-ethyl-L-prolinamide)-
10-deglycinamide-

CAS REGISTRY NUMBER : 53714-56-0

LAST UPDATED : 199201

DATA ITEMS CITED : 4

MOLECULAR FORMULA : C59-H84-N16-O12

MOLECULAR WEIGHT : 1209.59

COMPOUND DESCRIPTOR : Reproductive Effector
Human
Hormone

SYNONYMS/TRADE NAMES :

* A-43818

* (D-Leu (sup 6), des-gly-NH2 (sup 10), pro-ethylamide (sup 9)) -GNRH

* (D-Leu (sup 6), des-gly-NH2 (sup 10), pro-ethylamide (sup 9)) -gonadotropin-releasing hormone

* (D-Leu (sup 6), des-gly-NH2 (sup 10), pro-ethylamide (sup 9)) -LHRH

* Leuprolide

*** HEALTH HAZARD DATA ***

** REPRODUCTIVE DATA **

TYPE OF TEST : TDLo - Lowest published toxic dose
ROUTE OF EXPOSURE : Subcutaneous
SPECIES OBSERVED : Human - man
DOSE : 5214 ug/kg
SEX/DURATION : male 1 year(s) pre-mating

TOXIC EFFECTS :

Reproductive - Paternal Effects - spermatogenesis (incl. genetic material,
sperm morphology, motility, and count)

Reproductive - Paternal Effects - testes, epididymis, sperm duct

REFERENCE :

FESTAS Fertility and Sterility. (American Fertility Soc., 608 13th Ave. S,
Birmingham, AL 35282) V.1- 1950- Volume(issue)/page/year: 42,765,1984

TYPE OF TEST : TDLo - Lowest published toxic dose
ROUTE OF EXPOSURE : Subcutaneous
SPECIES OBSERVED : Rodent - rat
DOSE : 280 ug/kg
SEX/DURATION : female 28 day(s) pre-mating

TOXIC EFFECTS :

Reproductive - Maternal Effects - ovaries, fallopian tubes

Reproductive - Maternal Effects - uterus, cervix, vagina

Reproductive - Maternal Effects - menstrual cycle changes or disorders

REFERENCE :

FESTAS Fertility and Sterility. (American Fertility Soc., 608 13th Ave. S,
Birmingham, AL 35282) V.1- 1950- Volume(issue)/page/year: 27,853,1976

TYPE OF TEST : TDLo - Lowest published toxic dose
ROUTE OF EXPOSURE : Intravenous
SPECIES OBSERVED : Rodent - rabbit
DOSE : 50 ug/kg
SEX/DURATION : female 15 day(s) after conception

TOXIC EFFECTS :

Reproductive - Fertility - post-implantation mortality (e.g. dead and/or
resorbed implants per total number of implants)

Reproductive - Fertility - litter size (e.g. # fetuses per litter; measured
before birth)

REFERENCE :

PSEBAA Proceedings of the Society for Experimental Biology and Medicine.
(Academic Press, Inc., 1 E. First St., Duluth, MN 55802) V.1- 1903/04-

Volume(issue)/page/year: 152,29,1976

TYPE OF TEST : TDLo - Lowest published toxic dose
ROUTE OF EXPOSURE : Intravenous
SPECIES OBSERVED : Rodent - rabbit
DOSE : 25 ug/kg
SEX/DURATION : female 11 day(s) after conception

TOXIC EFFECTS :

Reproductive - Fertility - other measures of fertility

REFERENCE :

PSEBAA Proceedings of the Society for Experimental Biology and Medicine.
(Academic Press, Inc., 1 E. First St., Duluth, MN 55802) V.1- 1903/04-
Volume(issue)/page/year: 152,29,1976

*** END OF RECORD ***