

Product: Atosiban
Catalog #: 12-4241
Amount: 2 mg

DESCRIPTION: Atosiban also called ADH (Anti-Diuretic Hormone) has a molecular formula of $C_{43}H_{67}N_{11}O_{12}S_2$ Mpr-Tyr(OEt)-Ile-Thr-Asn-Cys- Pro-Orn-Gly-NH₂ having a Mw of 994.2 is the first oxytocin antagonist to be specifically developed for the treatment of preterm labour. Atosiban has a specific mode of action, inhibiting oxytocin-induced uterine contractions lry blocking oxytocin receptors in the uterus. Extensive clinical investigations have shown Atosiban to be at least as effective as current tocolytic agents. In addition, due to its novel and specific mode of action, Atosiban has a markedly improved maternal side effects profile compared with conventional therapies.

SOURCE: Synthetic peptide
PURITY: > 98%, as determined by:
(a) Analysis by RP-HPLC and Anion-exchange FPLC.
(b) Analysis by reducing and non-reducing SDS-PAGE Silver Stained gel.
< 0.1 ng/μg (IEU/μg) of Atosiban

ENDOTOXIN: < 1% as determined by silver stained SDS-PAGE gel analysis
DIMERS & AGGREGATES: Protein quantitation was carried out by 2 independent methods:
PROTEIN CONTENT: - UV spectroscopy at 280 nm
- Analysis by RP-HPLC, using a standard solution of Atosiban as a Reference Standard

FORM: Purified, in 0.1 % BSA
STORAGE: -20°C (aliquot), avoid freezing and thawing cycles

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