Synthetic Human Atosiban

Catalog No.	CRA138A	**Quantity:**	10 mg
	CRA138B		50 mg
	CRA138C		1 g

Description: Atosiban also called ADH (Anti-Diuretic Hormone) has a molecular formula of C43H67N11O12S2, C**[**Mpr-D-Tyr(OEt)-Ile-Thr-Asn-Cys**]**-Pro-Orn-Gly-NH_2 having a Mw of 994.2 Dalton is the first oxytocin antagonist to be specifically developed for the treatment of preterm labor. Atosiban has a specific mode of action, inhibiting oxytocin-induced uterine contractions by 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.

Physical Appearance: Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation: The Atosiban peptide was lyophilized with no additives.

Purity: Greater than 99.0% as determined by
(a) Analysis by RP-HPLC.
(b) Analysis by SDS-PAGE.

Reconstitution: It is recommended to reconstitute the lyophilized Atosiban in sterile 18 MΩ-cm water not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Storage & Stability: Lyophilized Atosiban although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Atosiban should be stored at 4°C between 2 -7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).
Please prevent freeze-thaw cycles.

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

Cell Sciences®
480 Neponset Street
Bldg 12A
Canton, MA 02021

Toll Free: 888-769-1246
Phone: 781-828-0610
Fax: 781-828-0542

E-mail: info@cellsciences.com
Website: www.cellsciences.com