ALPHA DIAGNOSTIC INTERNATIONAL

Product Data Sheet

Cat# **SP-50201-5**

Description: Octreotide Acetate

Sequence: D-Phe-Cys-Phe-D-Trp-Lys-Thr-Cys-Thr-Ol (Disulfide Bridge Cys2-Cys7); MW: 119.2

Size: 5 mg

Purity: >95%

Store: Desiccated at -20oC.

Octreotide (brand name Sandostatin, Novartis Pharmaceuticals) is an octapeptide that mimics natural somatostatin pharmacologically, though it is a more potent inhibitor of growth hormone, glucagon, and insulin than the natural hormone. Octreotide is absorbed quickly and completely after subcutaneous application. Maximal plasma concentration is reached after 30 minutes. The elimination half-life is 100 minutes (1.7 hours) on average when applied subcutaneously; after intravenous injection, the substance is eliminated in two phases with half-lives of 10 and 90 minutes, respectively. Octreotide can reduce the intestinal resorption of ciclosporin, possibly making it necessary to increase the dose.[17] Patients with diabetes mellitus might need less insulin or oral antidiabetics when treated with octreotide. The bioavailability of bromocriptine is increased;[11] besides being an antiparkinsonian, bromocriptine is also used for the treatment of acromegaly.

References: Panagopoulos GN (2007) Neurology Neurophysiol. Neurosci. Uhl W (1999) Digesion 60, 23-31; Maurer R (1982) PNAS 79, 4815-4817

All peptides are for in vitro research use only.

Please consult “Frequently asked questions” section at our website for Guidance on storage and solubility of the peptides.
http://www.4adi.com/commerce/info/showpage.jsp?page_id=1088&category_id=2427

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