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Cold Contaminant-free Iobenguane I-131

National Cancer Institute

Source

National Cancer Institute. *Cold Contaminant-free Iobenguane I-131*. NCI Thesaurus. Code C82344.

An I 131 radioiodinated synthetic analogue of the neurotransmitter norepinephrine, manufactured with a proprietary process, with radioisotopic and potential antineoplastic activities. Cold contaminant-free iobenguane I 131 (MIBG) localizes to adrenergic tissue and may be used to image or eradicate tumor cells that accumulate and metabolize norepinephrine. This agent is manufactured using a technology that avoids the production of unwanted "cold contaminants" (i.e., carrier molecules), which may cause undesirable side effects and compete with MIBG for binding on target receptor sites.