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# Iobenguane I-124

National Cancer Institute

## Source

National Cancer Institute. *Iobenguane I-124*. NCI Thesaurus. Code C101776.

A radioconjugate composed of the positron-emitting radioisotope iodine I 124 labeled to iobenguane, the synthetic aralkylguanidine analogue of the neurotransmitter norepinephrine (NE), with potential diagnostic imaging applications upon positron emitting tomography (PET) or computed tomography (CT). Upon administration, iobenguane I-124 is taken up and accumulates in the granules of adrenal medullary chromaffin cells and in the pre-synaptic granules of adrenergic neurons in a manner almost identical with that of NE. In turn, tumor cells can be imaged upon PET or CT.