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# Fenoldopam Mesylate

National Cancer Institute

## Source

National Cancer Institute. *Fenoldopam Mesylate*. NCI Thesaurus. Code C47531.

The mesylate salt form of fenoldopam, a benzazepine derivative with rapid-acting vasodilator activity. Fenoldopam mesylate is a racemic mixture of S- and R- isomers; the latter is responsible for the biological activity and has a significantly higher affinity for dopamine D1-like receptors (D1 and D5) as well as moderate affinity to alpha-2 adrenergic receptors. This agent selectively activates the dopamine D1-like receptor, thereby causing vasodilatation and increasing renal perfusion.