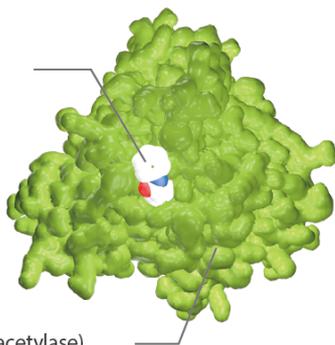


# Imidazoline Receptor

HDAC Inhibitor:  
Vorinostat (SAHA)



HDAC (Histone deacetylase)

is inhibited, and enzymes of catecholamine synthesis are induced. The I1-imidazoline receptor may belong to the neurocytokine receptor family, since its signaling pathways are similar to those of interleukins.

Imidazoline receptors are the primary receptors on which clonidine and other imidazolines act. There are three classes of imidazoline receptors: I1 receptor – mediates the sympatho-inhibitory actions of imidazolines to lower blood pressure, (NISCH or IRAS, imidazoline receptor antisera selected), I2 receptor - an allosteric binding site of monoamine oxidase and is involved in pain modulation and neuroprotection, I3 receptor - regulates insulin secretion from pancreatic beta cells. Activated I1-imidazoline receptors trigger the hydrolysis of phosphatidylcholine into DAG. Elevated DAG levels in turn trigger the synthesis of second messengers arachidonic acid and downstream eicosanoids. In addition, the sodium-hydrogen antiporter

## Imidazoline Receptor Inhibitors & Modulators

<b>Agmatine sulfate</b> Cat. No.: HY-101238	<b>Allantoin</b> (5-Ureidohydantoin) Cat. No.: HY-N0543
<b>Bioactivity:</b> Agmatine sulfate exerts modulatory action at multiple molecular targets, such as neurotransmitter systems, ion channels and nitric oxide synthesis. It is an endogenous agonist at <b>imidazoline receptor</b> and a <b>NO synthase</b> inhibitor. <b>Purity:</b> 98.0% <b>Clinical Data:</b> No Development Reported <b>Size:</b> 10mM x 1mL in DMSO, 100 mg, 500 mg, 1 g	<b>Bioactivity:</b> Allantoin is a skin conditioning agent that promotes healthy skin, stimulates new and healthy tissue growth. <b>Purity:</b> 98.36% <b>Clinical Data:</b> Launched <b>Size:</b> 10mM x 1mL in DMSO, 100 mg
<b>Moxonidine</b> (BDF5895) Cat. No.: HY-B0374	<b>Moxonidine hydrochloride</b> (BDF5895 hydrochloride) Cat. No.: HY-B0374A
<b>Bioactivity:</b> Moxonidine is a selective agonist at the imidazoline receptor subtype 1, used as antihypertensive agent. <b>Purity:</b> 99.91% <b>Clinical Data:</b> Launched <b>Size:</b> 10mM x 1mL in DMSO, 10 mg, 50 mg, 100 mg	<b>Bioactivity:</b> Moxonidine Hydrochloride is a selective agonist at the imidazoline receptor subtype 1, used as antihypertensive agent. <b>Purity:</b> >98% <b>Clinical Data:</b> Launched <b>Size:</b> 10 mg, 50 mg, 100 mg

