Web: www.taiclone.com
Tel: +886-2-2735-9682
Email: order@taiclone.com

Dopamine (hydrochloride)

Catalog No: tcsc2562

Available Sizes

Size: 100mg

Size: 500mg

Specifications

CAS No:
62-31-7

Formula:
$C_8H_{12}ClNO_2$

Pathway:
GPCR/G Protein;Neuronal Signaling;Metabolic Enzyme/Protease

Target:
Dopamine Receptor;Dopamine Receptor;Endogenous Metabolite

Purity / Grade:
>98%

Solubility:
DMSO : 50 mg/mL (263.66 mM; Need ultrasonic); H2O : ≥ 50 mg/mL (263.66 mM)

Alternative Names:
ASL279

Observed Molecular Weight:
189.64

Product Description

Dopamine HCl is a catecholamine neurotransmitter present in a wide variety of animals,And a dopamine D1-5 receptors agonist.

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Target: Dopamine Receptor

Dopamine (or 3,4-dihydroxyphenethylamine) is a neuroendocrine transmitter in the catecholamine and phenethylamine families that plays a number of important roles in the brain and bodies of humans. Several important diseases of the nervous system are associated with dysfunctions of the dopamine system. Outside the nervous system, dopamine functions in several parts of the body as a local chemical messenger. In the blood vessels, it inhibits norepinephrine release and acts as a vasodilator; in the kidneys, it increases sodium excretion and urine output; in the pancreas, it reduces insulin production; in the digestive system, it reduces gastrointestinal motility and protects intestinal mucosa; and in the immune system, it reduces the activity of lymphocytes. A variety of important drugs work by altering the way the body makes or uses dopamine. Dopamine itself is available for intravenous injection: although it cannot reach the brain from the bloodstream, its peripheral effects make it useful in the treatment of heart failure or shock, especially in newborn babies. L-DOPA, the metabolic precursor of dopamine, does reach the brain and is the most widely used treatment for Parkinson\'s disease. From Wikipedia.