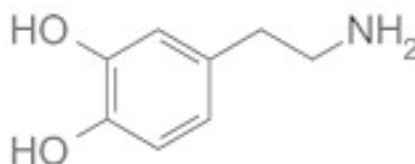


Dopamine Conjugate

Catalog No.	AG033	Quantity:	1.0 mg
Alternate Names:	DA, 4-(2-Aminoethyl)benzene-1,2-diol, 2-(3,4-Dihydroxyphenyl)ethylamine, 3,4-Dihydroxyphenethylamine, 3-hydroxytyramine, Prolactin inhibiting factor; Prolactin inhibiting hormone		
Description:	<p>Dopamine is a simple organic chemical in the catecholamine family. It is a mono-amine neurotransmitter which plays a number of important physiological roles in the bodies of animals. Dopamine may be classified as a substituted phenethylamine. In the brain, dopamine functions as a neurotransmitter—a chemical released by nerve cells to send signals to other nerve cells.</p> <p>Dopamine is synthesized in the body from within cells (mainly by neurons and cells in the medulla of the adrenal glands) and can be created from any one of the following three amino acids:</p> <ul style="list-style-type: none"> • L-Phenylalanine (PHE) • L-Tyrosine (L-4-hydroxyphenylalanine; TYR) • L-DOPA (L-3,4-dihydroxyphenylalanine; DOPA) <p>Dopamine itself is also used in the synthesis of the following related catecholamine neurotransmitters:</p> <ul style="list-style-type: none"> • Norepinephrine (β,3,4-trihydroxyphenethylamine; Noradrenaline; NE, NA) • Epinephrine (β,3-dihydroxy-N-methylphenethylamine; Adrenaline; EPI, ADR) <p>Dopamine is directly broken down into inactive metabolites by two enzymes, monoamine oxidase (MAO) and catechol-O-methyl transferase (COMT).</p>		
Formulation:	Lyophilized		
Conjugate:	Conjugated to a protein carrier.		
Reconstitution:	Centrifuge vial prior to opening. Reconstitute with sterile distilled water. Add 0.1% merthiolate as a preservative.		
Applications:	Immunohistochemistry, Immunocytochemistry		
Storage & Stability:	Lyophilized product is stable at -20°C. After reconstitution, solution is stable at 2-8°C for up to 2 months.		



NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

