



Dopamine HCl Standard solution (DWT74)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview 1.0 mg/mL analytical Dopamine Standard

Conjugate N/A

Cas.No 62-31-7

Molecular Weight 189.64g/mol

Format Liquid

Concentration 1.0 mg/mL

Size 1 ml

Buffer Methanol with 5% 1 M HCl

Storage Store unopened in freezer(-10°C to 25°C)

BACKGROUND

Introduction

Dopamine (sometimes abbreviated DA) is a catecholamine neurotransmitter present in a wide variety of animals, including both vertebrates and invertebrates. In the brain, this substituted phenethylamine functions as a neurotransmitter, activating the five known types of dopamine receptors—D1, D2, D3, D4, and D5—and their variants. Dopamine is produced in several areas of the brain, including the substantia nigra and the ventral tegmental area. Dopamine is also a neurohormone released by the hypothalamus. Its main function as a hormone is to inhibit the release of prolactin from the anterior lobe of the pituitary.

Keywords

2-(3,4-Dihydroxyphenyl)ethylamine; 3,4-Dihydroxyphenethylamine; 3-Hydroxytyramine; Dopamine; 4-(2-Aminotethyl)pyrocatechol; 3-Hydroxytyramine hydrobromide; DA; Intropin; Revivan; Oxytyramine