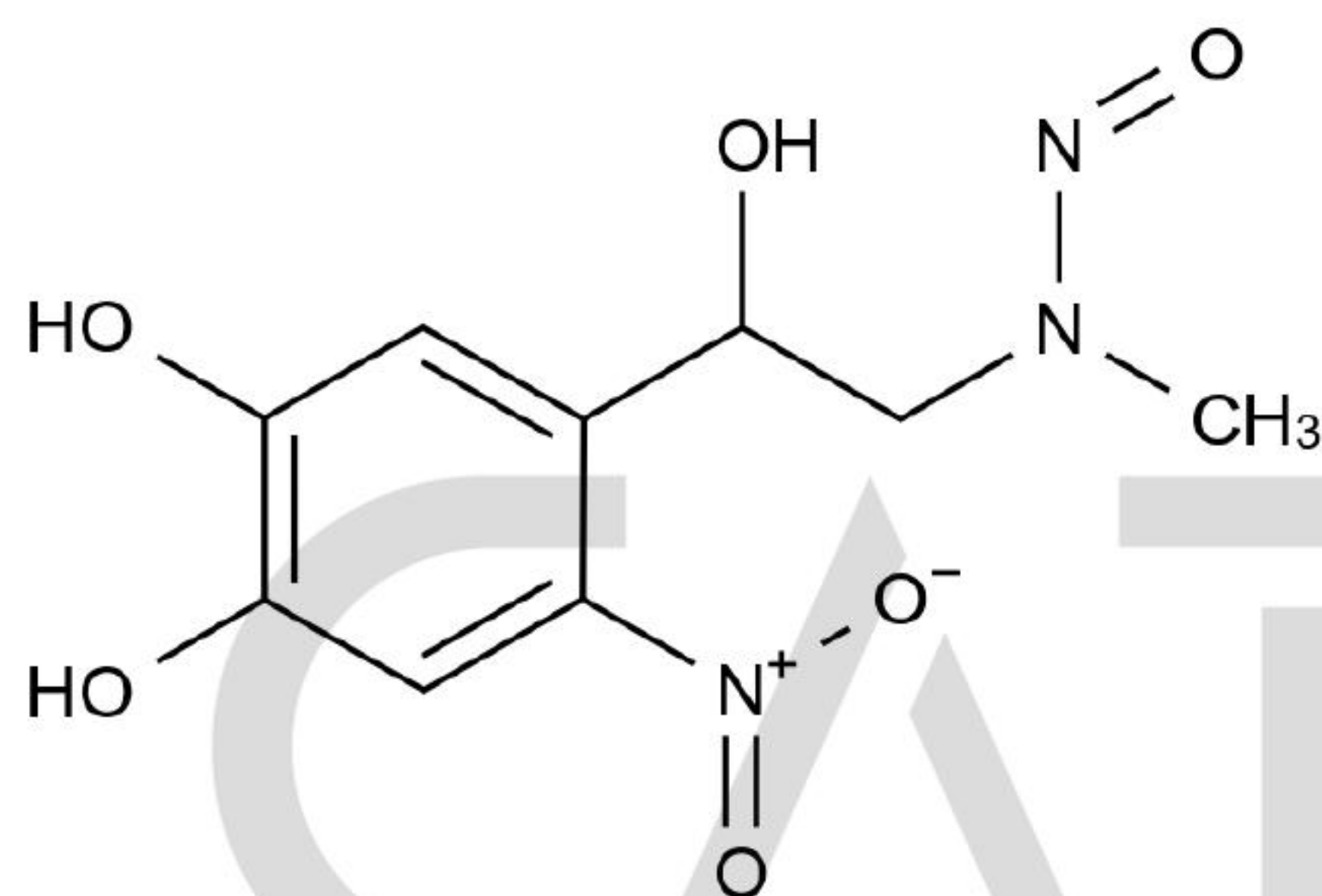


Certificate of Analysis

Reference Material & Standard

Product Name:	Epinephrine /Adrenaline Impurity 128	Catalogue Number:	C4X-1849128
Synonyms:	N/A	Lot Number:	0825-RH-0003
CAS Number:	25775-86-4	Expiry Date:	Jul 07, 2030
Molecular Formula:	C ₉ H ₁₁ N ₃ O ₆	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	257.20	Shipping Condition:	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Pale Yellow Solid
Identification	LCMS&CNMR&HNMR	Confirmed
Purity	HPLC	99.8262%
Water Content	Karl Fischer	0.20%
Residual Solvents	NMR	0.4% methanol and 0.2% dichloromethane
Assay		99.0%

Comment:

1. The compound is an N-Nitroso product. Avoid using metalspatula and applying pressure. Wear proper personal protective equipment when handling.

2. The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

Assay (%) = (100%-Water Content-Residual Solvents) * Purity HPLC (%) /100%

Water Content and Residual Solvents are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Koi

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Sep 23, 2026

Date: Sep 23, 2026

Date: Sep 23, 2026



Add: 3rd Floor, Building B, No.179, Guangpu Rd East, Huangpu District, Guangzhou, China

Tel: +86-20-81960175

Email: supports@cato-chem.com

Web: <https://www.cato-chem.com>

