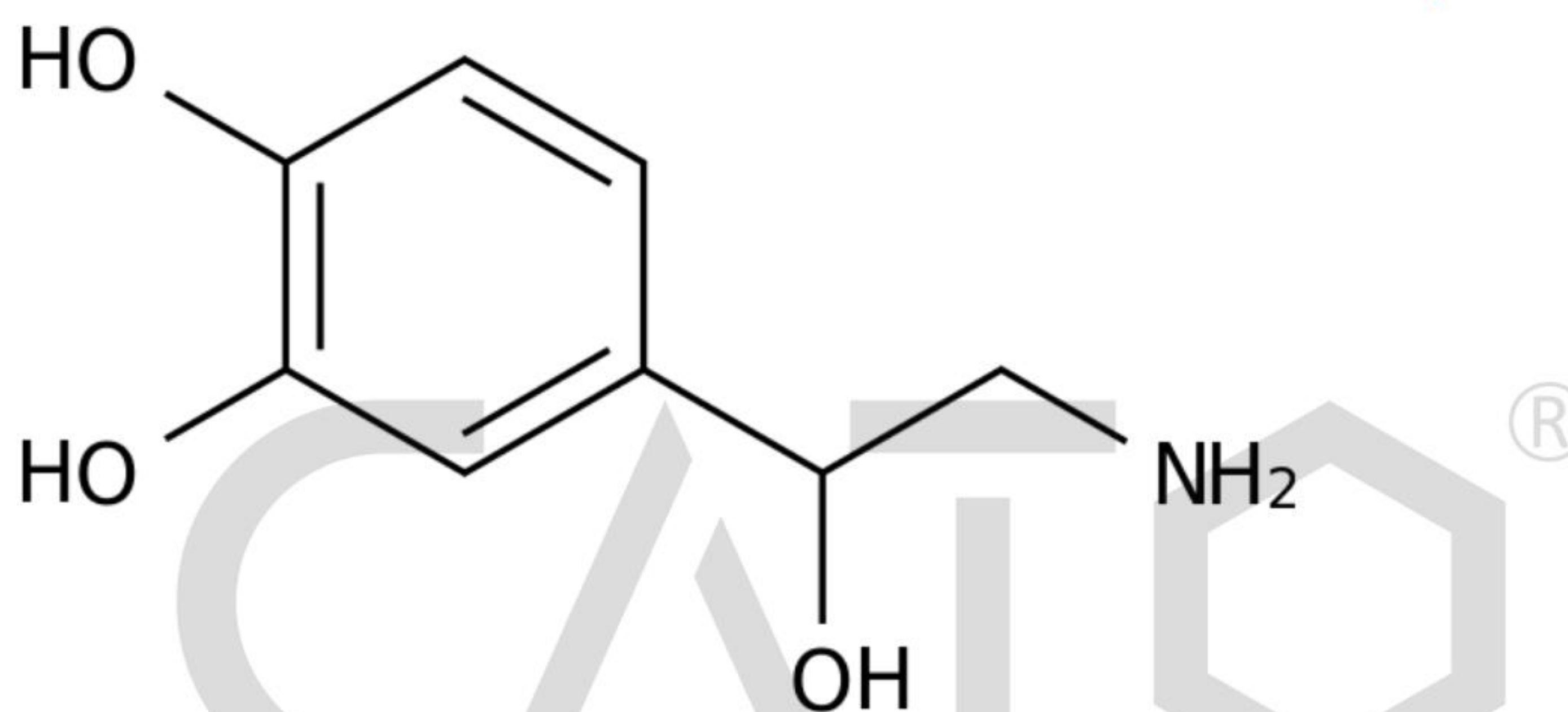


Certificate of Analysis

Reference Material & Standard

Product Name:	Dopamine Impurity 32	Catalogue Number:	C4X-190832
Synonyms:	dl-Norepinephrine(Norepinephrine)	Lot Number:	1121-RF-0003
CAS Number:	138-65-8	Expiry Date:	Nov 19, 2027
Molecular Formula:	C8H11NO3	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	169.18	Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Brown Solid
Identification	LCMS&CNMR&HNMR	Confirmed
Purity	HPLC	96.466%
Loss On Drying	TGA	0.2874%
Assay		96.2%

Comment:

The calculation of the 100% method follows the formula (calculated on the non-dried basis):

Assay (%) = (100%-Loss On Drying) * Purity HPLC (%) /100%

Loss On Drying is considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Koi

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Nov 21, 2024

Date: Nov 21, 2024

Date: Nov 21, 2024

