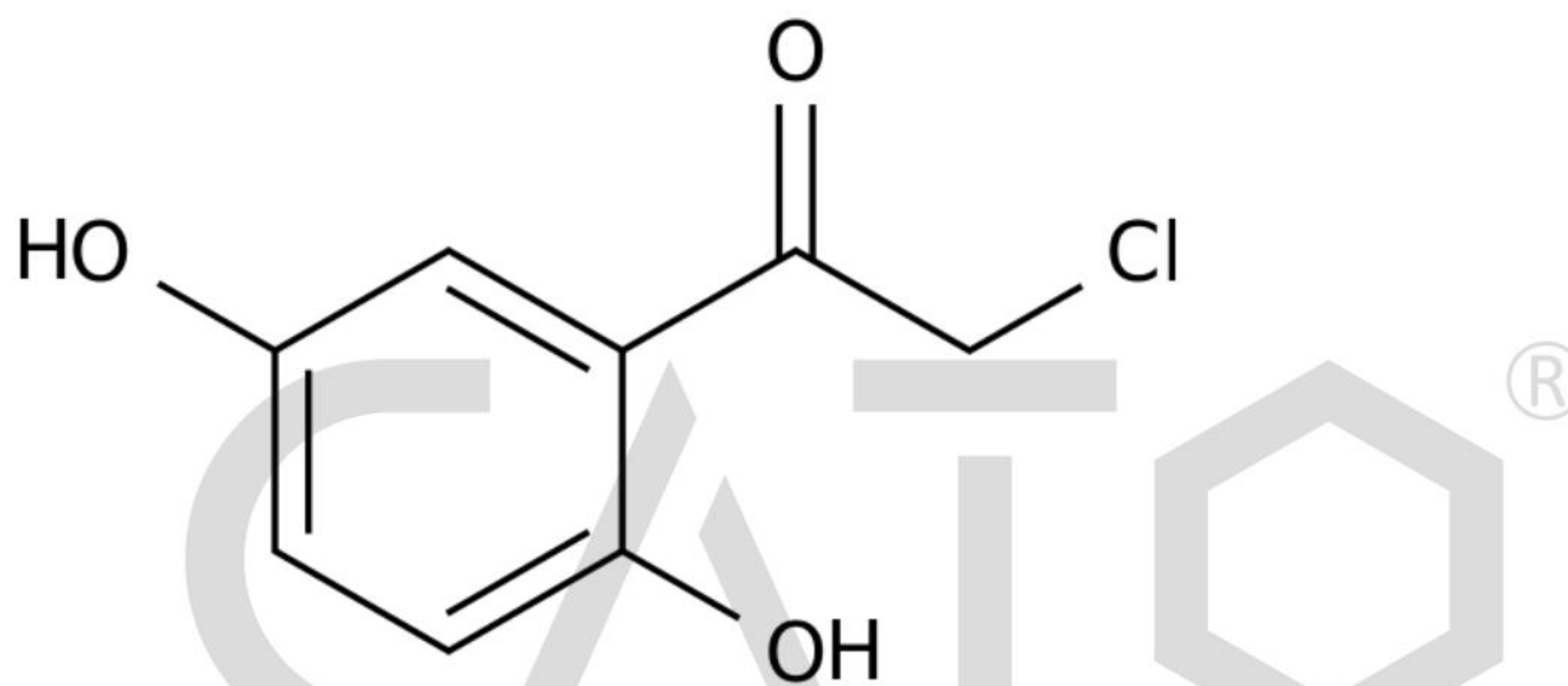


Certificate of Analysis

Reference Material & Standard

Product Name:	Epinephrine /Adrenaline Impurity 55	Catalogue Number:	C4X-184955
Synonyms:	2-Chloro-1-(2,5-dihydroxyphenyl)ethan-1-one	Lot Number:	1122-RF-0066
CAS Number:	60912-82-5	Expiry Date:	Nov 25, 2027
Molecular Formula:	C ₈ H ₇ ClO ₃	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	186.59	Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Yellow Solid
Identification	GCMS&CNMR&HNMR	Confirmed
Purity	HPLC	94.112%
Loss On Drying	TGA	0.2796%
Assay		93.8%

Comment:

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

$$\text{Assay (\%)} = (100\% - \text{Loss On Drying}) * \text{Purity HPLC (\%)} / 100\%$$
 Loss On Drying is considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Nice

Reviewed by:

Koi

Approved by General Manager:

David

Date: Nov 26, 2024

Date: Nov 26, 2024

Date: Nov 26, 2024

