

Certificate of Analysis

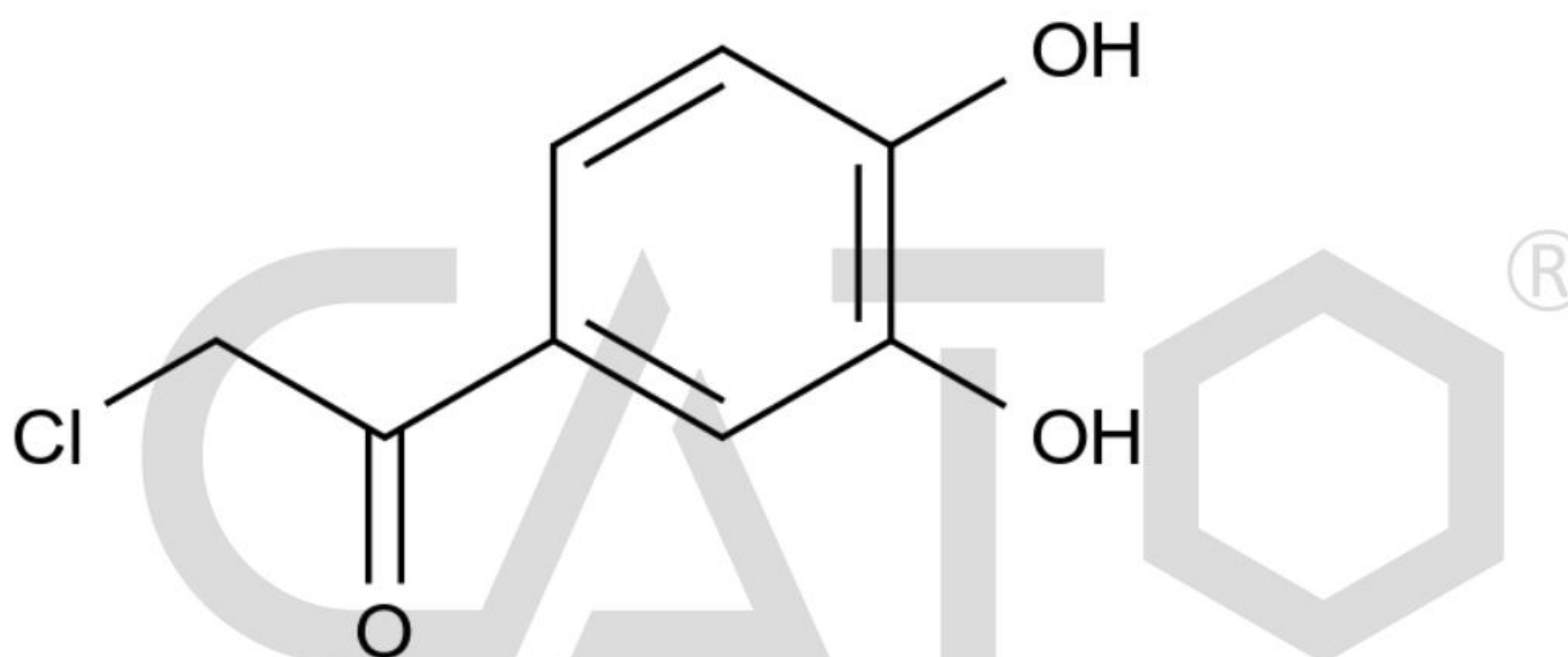
Reference Material & Standard

Product Name:	2-Chloro-1-(3,4-dihydroxyphenyl)ethanone	Catalogue Number:	CCHM705395
Synonyms:	N/A	Lot Number:	0820-RF-0008
CAS Number:	99-40-1	Expiry Date:	Aug 20, 2028
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	Black Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	98.419%
Loss on Drying	TGA	0.1557%
Assay		98.3%
Uncertainty		±2.0%

Comment:

- The calculation of the mass balance 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.
- The uncertainty values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Signature:

Prepared by:

Nice

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Aug 21, 2024

Date: Aug 22, 2024

Date: Aug 22, 2024



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>

