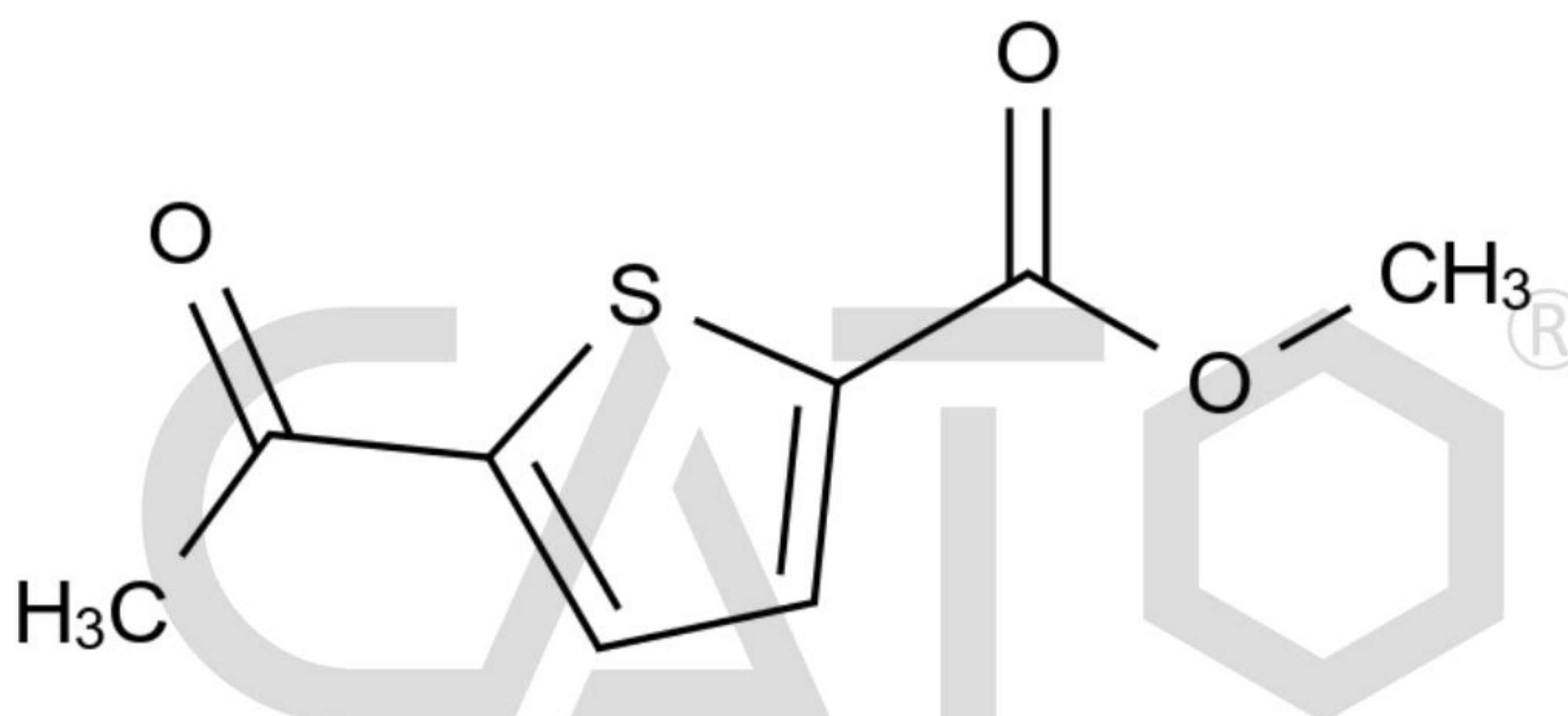


Certificate of Analysis

Reference Material & Standard

Product Name:	Methyl 5-acetylthiophene-2-carboxylate(Arotinolol Impurity 6)	Catalogue Number:	C4X-18546
Synonyms:	N/A	Lot Number:	0312-RH-0116
CAS Number:	4101-81-9	Expiry Date:	Mar 15, 2030
Molecular Formula:	C ₈ H ₈ O ₃ S	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	184.21	Shipping Condition:	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Light Yellow Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.136%
Loss On Drying	TGA	0.0880%
Assay		99.0%

Comment:

The calculation of the mass balance 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:

Nice

Reviewed by:

Koi

Approved by General Manager:

David

Date: Mar 16, 2026

Date: Mar 16, 2026

Date: Mar 16, 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>

