

Certificate of Analysis

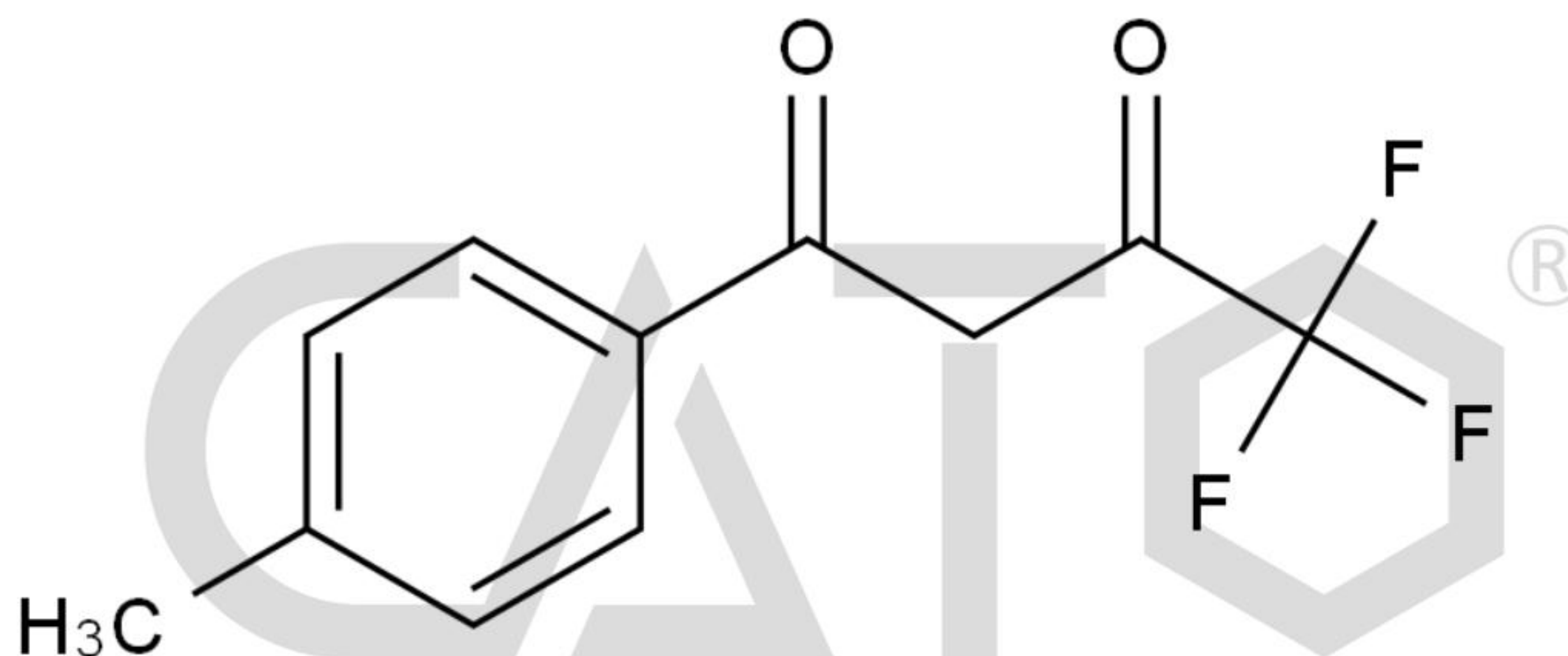
Reference Material & Standard

Product Name:	Celecoxib Impurity 49	Catalogue Number:	C4X-104349
Synonyms:	4,4,4-Trifluoro-1-(p-tolyl)-1,3-butanedione	Lot Number:	0711-RF-0041
CAS Number:	720-94-5	Expiry Date:	Jul 10, 2027
Molecular Formula:	C ₁₁ H ₉ F ₃ O ₂	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	230.18		

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&CNMR&HNMR	Confirmed
Purity	HPLC	100.000%
Water Content	Karl Fischer	0.1347%
Assay		99.9%

Comment:

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

$$\text{Assay (\%)} = (100\% - \text{Water Content}) * \text{Purity HPLC (\%)} / 100\%$$

Water Content 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: Sep 22, 2025

Date: Sep 23, 2025

Date: Sep 23, 2025



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>

