CATO Research Chemicals Inc.

Make the Tests More Accurate

ISO 17034 : 2016 | ISO 9001 : 2015

CATO-FM-59 Version No.: A/1

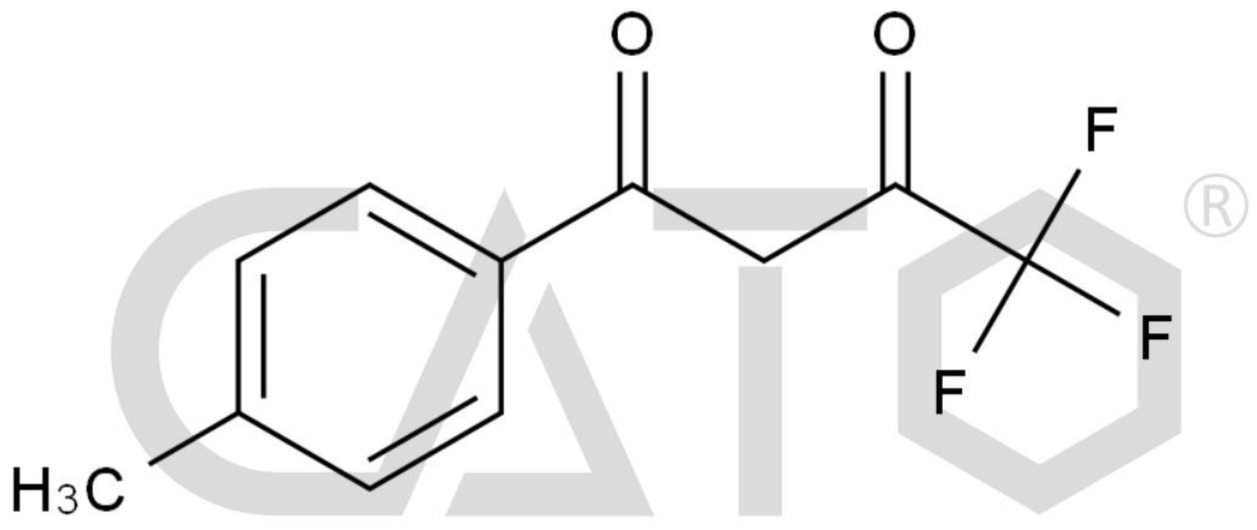
No.: 202609090058

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:**	Sep 08, 2030
Molecular Formula:	$C_{11}H_9F_3O_2$	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	230.18	**Shipping Condition:**	Shipping at Room Temperature
		Warning:	

Chemical Structure:



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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:

1. Mixture of Tautomer

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

*Assay (%) = (100%-Water Content) * Purity HPLC (%) /100%*

Water Content is considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

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ANAB ANSI National Accreditation Board ACCREDITED ISO 17034 REFERENCE MATERIAL PRODUCER AR-2832

ISO 9001:2000 SYSTEM CERTIFICATION SGS

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