



CERTIFICATE OF ANALYSIS

20 Martin Ross Avenue, North York, ON, M3J 2K8, CANADA
Tel: (416) 665-9696, Fax: (416) 665-4439
Email: orders.trc@lgcgroup.com Website: www.trc-canada.com

1. Identification

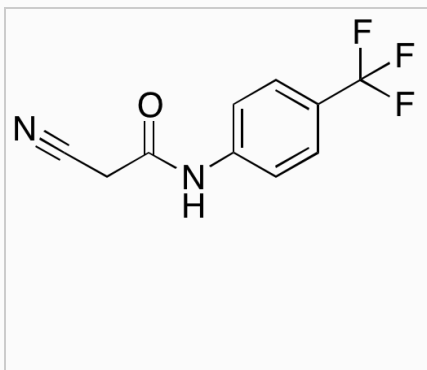
Catalogue Number: C982245

CAS Number: 24522-30-3

Product: 2-Cyano-N-[4-(trifluoromethyl)phenyl]acetamide

Synonym: 2-Cyano- α,α,α -trifluoro-p-acetotoluidide; Leflunomide EP Impurity H

Structure:



Molecular Formula:

$C_{10}H_7F_3N_2O$

Molecular weight:

228.17

Source of Product:

N/A

Solubility:

DMSO (Slightly), Methanol (Slightly)

Lot Number: 3-AGE-29-1

Purity: 98%

Shipping Condition: This Product Is Stable To Be Shipped At Room Temperature

Storage Condition: -20°C

2. Warning

Warning 1: Hygroscopic

Warning 2: Toxic

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	White to Off-White Solid	White Solid
NMR	Conforms to Structure	Conforms
F NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms
FT-IR	Conforms to Structure	Conforms
HPLC Purity	>95%	99.88% (250 nm)
Elemental Analysis	Conforms	%C: 52.44, %H: 2.92, %N: 12.45

Additional Information:

TLC Conditions: SiO₂; Dichloromethane : Methanol = 9 : 1; Visualized with UV and KMnO₄; Single Spot, R_f = 0.65. Elemental Analysis: (Theoretical) %C: 52.64, %H: 3.09, %N: 12.28

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of $\pm 2\%$. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

Reviewed By	Reviewed By	C of A Approved By	Test Date	Retest Date
Steve Douglas	Neha Khanna	My Nguyen	12/12/2019	12/10/2026