



## 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

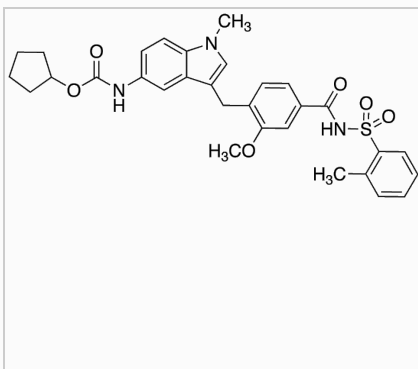
**Catalogue Number:** Z125000

**CAS Number:** 107753-78-6

**Product:** Zafirlukast

**Synonym:** [3-[[2-Methoxy-4-[[[(2-methylphenyl)sulfonyl]amino]carbonyl]phenyl]methyl]-1-methyl-1H-indol-5-yl]carbamic Acid Cyclopentyl Ester; ICI-2204219; Accolate; Vanticon;

**Structure:**



**Molecular Formula:**

C<sub>31</sub>H<sub>33</sub>N<sub>3</sub>O<sub>6</sub>S

**Molecular weight:**

575.68

**Source of Product:**

N/A

**Solubility:**

Chloroform (Sparingly),  
DMSO (Slightly)

**Lot Number:** 5-ANR-49-1

**Purity:** 98%

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

**Storage Condition:** 4°C

### 2. Warning

**Warning 1:** Not Determined

**Warning 2:**

**Warning 3:**

### 3. Analytical Information

Tests:	Specifications:	Results:
Appearance	Pale Pink to Light Orange Solid	Pale Orange to Pale Red Solid
NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 64.17, %H: 5.42, %N: 7.18
HPLC Purity	>95%	99.93% (240 nm)

#### Additional Information:

Elemental Analysis: (Theoretical) %C: 64.68, %H: 5.78, %N: 7.30

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**

Eric Beaton

**Reviewed By**

Toni Rantanen

**C of A Approved By**

My Nguyen

**Test Date**

4/14/2020

**Retest Date**

4/12/2030