



## CERTIFICATE OF ANALYSIS

**Product Name:** (Z)-4-(3,5-difluoro-4-hydroxybenzylidene)-2-methyl-1-(2,2,2-trifluoroethyl)-1H-imidazol-5(4H)-one (DFHBI-1T)

**Product No:** 410 – 1 mg/5 mg/10 mg

**Lot or Batch No:** 140317

**Expiration Date:** N/A

### General Product Data

Synonyms : DFHBI  
Formula :  $C_{13}H_9F_5N_2O_2$   
Molecular Weight : 320.21 g/mol  
Country of Origin : USA  
CAS Number : 1539318-36-0  
CAS Name : 4H-Imidazol-4-one, 5-[(3,5-difluoro-4-hydroxyphenyl)methylene]-3,5-dihydro-2-methyl-3-(2,2,2-trifluoroethyl)-, (5Z)-

### Product Specifications/Analysis

Appearance : yellow, crystalline powder  
Infrared Spectrometry : authentic  
Assay Total Base :  $\geq 99.0\%$  (on dry substance)  
Water :  $\leq 3\%$  (K.F.)  
pH : (1 % soln.) 5.0 to 15.0  
DNase, RNase, Protease Act. : none detected  
UV : (0.1 M in  $H_2O$ )  
At 280 nm A:  $\leq 0.02$   
At 260 nm A:  $\leq 0.04$

**Date of release:** March 17, 2014

**Product lot approver:**

Lucerna, Inc.™

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