



## CERTIFICATE OF ANALYSIS

**Product Name:** 3,5-difluoro-4-hydroxybenzylidene imidazolinone-2-oxime (DHFO)  
**Product No:** 500 – 1 mg/5 mg/10 mg  
**Lot or Batch No:** 171212  
**Expiration Date:** N/A

### General Product Data

Synonyms : DFHO  
Formula :  $C_{12}H_8F_2N_3O_3$   
Molecular Weight : 281.2 g/mol  
Country of Origin : USA  
CAS Number :  
CAS Name : (*E*)-4-((*Z*)-3,5-difluoro-4-hydroxybenzylidene)-1-methyl-5-oxo-4,5-dihydro-1*H*-imidazole-2-carbaldehyde oxime

### Product Specifications/Analysis

Appearance : Yellow-orange, crystalline powder  
Infrared Spectrometry : Authentic  
HPLC : Shows >99% purity  
1H NMR : Consistent with structure  
Mass Spec : Consistent with structure  
Water : = < 3 % (K.F.)  
pH : (1 % soln.) 5.0 to 15.0  
DNase, RNase, Protease Act. : None detected  
UV : (0.1 M in H<sub>2</sub>O)  
At 280 nm A: = < 0.02  
At 260 nm A: = < 0.04

\*\*\* Not fully tested. Research use only. Not for human or animal use. \*\*\*

**Date of release:** December 12, 2017

Lucerna, Inc.

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