



## CERTIFICATE OF ANALYSIS

**Product Name:** 3,5-difluoro-4-hydroxybenzylidene imidazolinone (DFHBI)  
**Product No:** 400 – 1 mg/5 mg/10 mg  
**Lot or Batch No:** 140131  
**Expiration Date:** N/A

### General Product Data

Synonyms : DFHBI  
Formula :  $C_{12}H_{10}F_2N_2O_2$   
Molecular Weight : 252.22 g/mol  
Country of Origin : USA  
CAS Number : 1241390-29-3  
CAS Name : 4H-Imidazol-4-one, 5-[(3,5-difluoro-4-hydroxyphenyl) methylene]-  
3,5-dihydro-2,3-dimethyl-, 5 (Z)-

### Product Specifications/Analysis

Appearance : Yellow powder  
HPLC : Shows >95% purity  
1H NMR : Consistent with structure  
Mass Spectrum : Consistent with structure  
Water : = < 3 % (K.F.)  
pH : (1 % soln.) 5.0 to 15.0  
DNase, RNase, Protease Act. : none detected

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

**Date of release:** March 2, 2016