



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, 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: ≤ 0.02 At 260 nm A: ≤ 0.04

Date of release: March 2, 2014

Product lot approver: