

# Chem-Impex International, Inc.

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**Manufacturing site:**

825 Dillon Drive

Wood Dale, IL 60191

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## Certificate of Analysis

<b>Catalogue Number</b>	32356
<b>Product</b>	<b>2-Deoxy-2,2-difluoro-D-erythro-pentonic acid γ-lactone 3,5-dibenzoate</b>
<b>Lot Number</b>	002781-20180408 3,5-Bis(benzoyl)-2-deoxy-2,2-difluoro-1-oxoribose
<b>CAS Number</b>	122111-01-7
<b>Molecular Formula</b>	C <sub>19</sub> H <sub>14</sub> F <sub>2</sub> O <sub>6</sub>
<b>Molecular Weight</b>	376.31

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<b>Appearance</b>	Off-white solid
<b>Solubility</b>	Soluble in chloroform
<b>Melting Point</b>	120.8 - 121.9 °C
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = 45.8 °
<b>Infrared Spectrum</b>	Conforms to structure
<b>Loss on Drying</b>	0.05%
<b>Related Substances</b>	Impurity at RRT-1.1 : Not detected Any other individual impurity : 0.06% Total impurity : 0.08%
<b>Assay</b>	100.7%
<b>Purity by HPLC</b>	99.90%
<b>Storage</b>	Store at ≤ -10 °C

## ***Certificate of Analysis***

**Catalog Number: 32356**

**Lot Number: 002781-20180408**

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**Remarks**

See material safety data sheet for additional information

For laboratory use only

**The foregoing is a copy of the Certificate of Analysis as provided by our supplier**

A handwritten signature in black ink, appearing to read 'Bala Kumar', with a stylized flourish at the end.

**Bala Kumar**  
**Quality Control Manager**