

Analytical Data Sheet

Lot number **1000000544**
not for drug use

Catalog number **E-2350.0005**
Product number **4000759.0005**
Product **Pyr- OPcp**
Molecular formula $C_{11}H_6Cl_5NO_3$
Relative molecular mass 377.44

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (50 mg/mL in chloroform/methanol 1/1)								
Identification (elemental analysis)	<table> <thead> <tr> <th>Theory</th> <th>Found</th> </tr> </thead> <tbody> <tr> <td>C = 35.0%</td> <td>C = 34.8%</td> </tr> <tr> <td>H = 1.6%</td> <td>H = 1.6%</td> </tr> <tr> <td>N = 3.7%</td> <td>N = 3.7%</td> </tr> </tbody> </table>	Theory	Found	C = 35.0%	C = 34.8%	H = 1.6%	H = 1.6%	N = 3.7%	N = 3.7%
Theory	Found								
C = 35.0%	C = 34.8%								
H = 1.6%	H = 1.6%								
N = 3.7%	N = 3.7%								
Identification (TLC)	complies with authentic material								
Melting point	192 °C								
Specific optical rotation	$[\alpha]_D^{24} = +20.5^\circ$ (1% in dimethylformamide)								
Purity (TLC)	decomposes								
TLC conditions	chloroform/methanol/acetic acid 90/8/2 chloroform/methanol/toluene/H ₂ O 8/8/8/1 toluene/dioxane/acetic acid 95/25/4 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine								
Assay (elemental analysis)	99.5% (Cth 35.00%, Cfd 34.84%)								

Latest update: May 16, 2018

Analytical Data Sheet
Lot number **1000000544**