

## Analytical Data Sheet

Lot number **1068413**  
not for drug use

Catalog number **K-1480.5000**  
Product number **4003907.5000**  
Product **Pyr-  $\beta$ NA**  
Molecular formula **C<sub>15</sub>H<sub>14</sub>N<sub>2</sub>O<sub>2</sub>**  
Relative molecular mass **254.28**

Tests	Results
Appearance	off-white powder
Appearance of solution	clear, colorless solution (50 mg/mL in methanol)
Identification (elemental analysis)	Theory Found C = 70.9% C = 70.5% H = 5.6% H = 5.5% N = 11.0% N = 10.9%
Identification (TLC)	complies with authentic material
Melting point	195 °C
Specific optical rotation	$[\alpha]_D^{24} = +24.1^\circ$ (1% in methanol)
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.1% $\beta$ -naphthylamine
TLC conditions	chloroform/methanol/acetic acid 77.5/15/7.5 chloroform/methanol 8/2 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, TMB
Assay (elemental analysis)	99.2% (Nth 11.02%, Nfd 10.93%)
Water content (KF volumetric)	0.3%

Latest update: October 25, 2016

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