

Analytical Data Sheet

Lot number **1055330**
not for drug use

Catalog number **C-4155.0001**
Product number **4037881.0001**
Product **Z- Asu(OtBu) - OH · DCHA**
Molecular formula $C_{20}H_{29}NO_6 \cdot C_{12}H_{23}N$
Relative molecular mass 560.78

| Tests | Results | | | | | | | | |
|-------------------------------------|---|--------|-------|-----------|-----------|----------|----------|----------|----------|
| Appearance | white powder | | | | | | | | |
| Appearance of solution | clear, colorless solution (50 mg/mL in methanol) | | | | | | | | |
| Identification (elemental analysis) | <table><thead><tr><th>Theory</th><th>Found</th></tr></thead><tbody><tr><td>C = 68.5%</td><td>C = 68.2%</td></tr><tr><td>H = 9.4%</td><td>H = 9.0%</td></tr><tr><td>N = 5.0%</td><td>N = 5.4%</td></tr></tbody></table> <p>calc. x 1 DCHA (32.33%)</p> | Theory | Found | C = 68.5% | C = 68.2% | H = 9.4% | H = 9.0% | N = 5.0% | N = 5.4% |
| Theory | Found | | | | | | | | |
| C = 68.5% | C = 68.2% | | | | | | | | |
| H = 9.4% | H = 9.0% | | | | | | | | |
| N = 5.0% | N = 5.4% | | | | | | | | |
| Identification (TLC) | complies with authentic material | | | | | | | | |
| Specific optical rotation | $[\alpha]_D^{24} = +4.9^\circ$ (1% in methanol) | | | | | | | | |
| Purity (TLC) | > 99% | | | | | | | | |
| TLC conditions | chloroform/methanol/toluene/H ₂ O 8/8/8/1 chloroform/methanol/acetic acid 90/8/2 chloroform/ethylacetate/acetic acid 50/50/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine | | | | | | | | |
| Enantiomer content (GC) | 0.3% D-Enantiomer | | | | | | | | |
| Assay (elemental analysis) | 99.5% (Cth 68.54%, Cfd 68.20%) | | | | | | | | |