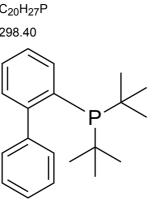




Certificate of Analysis

Compound Information

| Product Name: | JohnPhos |
|---------------------|-----------------------------------|
| Cat. No.: | 1026350 |
| CAS No.: | 224311-51-7 |
| Molecular Formula: | C ₂₀ H ₂₇ P |
| Molecular Weight: | 298.40 |
| Chemical Structure: | |



Batch Information

| Batch No.: | Lg1222351174 |
|--------------|------------------------------|
| Storage: | 2-8°C, stored under nitrogen |
| Test Date: | 2023-09-18 |
| Retest Date: | 2026-09-17 |
| Origin: | Shanghai, China |

QC Summary

| Appearance: | White to off-white (Solid) |
|------------------------------|---|
| ¹ H NMR Spectrum: | Consistent with structure |
| LCMS: | Consistent with structure |
| Purity (LCMS): | 98.63% |
| Conclusion: | The product has been tested and complies with the given specifications. |
| | |

Caution: Research use only and are not intended for human use.

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