

Certificate of Analysis

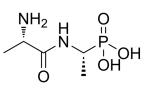
Alafosfalin

| Cat. No.: | HY-119881 |
|----------------|---|
| CAS No.: | 60668-24-8 |
| Batch No.: | 288342 |
| Chemical Name: | Phosphonic acid, P-[(1R)-1-[[(2S)-2-amino-1-oxopropyl]amino]ethyl]- |

PHYSICAL AND CHEMICAL PROPERTIES

| Molecular Formula: | $C_5H_{13}N_2O_4P$ |
|--------------------|---|
| Molecular Weight: | 196.14 |
| Storage: | 4°C, sealed storage, away from moisture |
| | * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture) |

Chemical Structure:



ANALYTICAL DATA

| Appearance: | White to off-white (Solid) |
|------------------------------|---|
| ¹ H NMR Spectrum: | Consistent with structure |
| LCMS: | Consistent with structure |
| Purity (LCMS): | 99.70% |
| Conclusion: | The product has been tested and complies with the given specifications. |
| | |

Caution: Product has not been fully validated for medical applications. For research use only.

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