6α-Methylprednisolone 21-hemisuccinate

Item No. 11800

CAS Registry No.: 2921-57-5
Formal Name: 21-(3-carboxy-1-oxopropoxy)-11β,17-dihydroxy-6α-methyl-pregna-1,4-diene-3,20-dione

MF: C26H34O8
FW: 474.6

Purity: >98%
Stability: ≥2 years at -20°C

Supplied as: A crystalline solid

The solubility of 6α-methylprednisolone 21-hemisuccinate in organic solvents such as DMSO and dimethyl formamide, which should be purged with an inert gas. The solubility of 6α-methylprednisolone 21-hemisuccinate in these solvents is approximately 5 and 3 mg/ml, respectively.

6α-Methylprednisolone 21-hemisuccinate is sparingly soluble in aqueous buffers. For maximum solubility in aqueous buffers, 6α-methylprednisolone 21-hemisuccinate should first be dissolved in DMSO and then diluted with the aqueous buffer of choice. 6α-Methylprednisolone 21-hemisuccinate has a solubility of approximately 0.5 mg/ml in a 1:1 solution of ethanol-PBS (pH 7.2) using this method. We do not recommend storing the aqueous solution for more than one day.

α-Methylprednisolone 21-hemisuccinate is a prodrug for methylprednisolone. This compound has superior water solubility compared to the active glucocorticoid. This compound has superior water solubility compared to the active glucocorticoid.

References

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