6β-hydroxy Dexamethasone
Item No. 22099

CAS Registry No.: 55879-47-5
Formal Name: 9-fluoro-6β,11β,17,21-tetrahydroxy-16α-methyl-pregna-1,4-diene-3,20-dione
MF: C_{22}H_{29}FO_{6}
FW: 408.5
Purity: ≥ 95%
Supplied as: A solid
Storage: -20°C
Stability: ≥ 4 years

Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

6β-hydroxy Dexamethasone is supplied as a solid. A stock solution may be made by dissolving the 6β-hydroxy dexamethasone in the solvent of choice, which should be purged with an inert gas. 6β-hydroxy Dexamethasone is slightly soluble in methanol.

Description

6β-hydroxy Dexamethasone is an active metabolite of the synthetic glucocorticoid dexamethasone (Item No. 11015).\(^1\) It is formed from dexamethasone by the cytochrome P450 (CYP) isoform CYP3A4. 6β-hydroxy Dexamethasone (1 mg/kg) reduces cortisol (hydrocortisone; Item No. 20739) production in rats.\(^2\)

References